

Fisa de verificare a îndeplinirii standardelor minime pentru indicatorul C

Numărul publicației care citează	Referința bibliografică						a_k	n_i	n_i^{ef}	C_i/n_i^{ef}
1	L. Leontie, M. Caraman, G. I. Rusu	On the Photoconductivity of Bi2O3 in Thin Films	J OPTOELECTRON ADV M	2	385	2000	0.110	3	3.00	4.33
1	T.P. Gujar, V.R. Shinde, C.D. Lokhande, R.S. Mane, S.-H. Han	Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: Annealing effect	APPL SURF SCI	250	161	2005	0.549			
2	H.W. Kim, J. H. Myung, S. H. Shim, and C. Lee	Growth of Bi2O3 rods using a trimethylbismuth and oxygen mixture	APPL PHYS A-MATER	84	187	2006	0.611			
3	C. C. Huang, K. Z. Fung	Effect of the surface configuration on the oxidation of bismuth nanowire	MATER RES BULL	41	1604	2006	0.546			
4	M. Mehring, D. Mansfeld, S. Paalasmaa, and M. Schürmann	Polynuclear bismuth-oxo clusters: Insight into the formation process of a metal oxide	CHEM-EUR J	12	1767	2006	1.527			
5	T. P. Gujar, V. R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han	Formation of highly textured (111) Bi2O3 films by anodization of electrodeposited bismuth films	APPL SURF SCI	252	2747	2006	0.549			
6	H. W. Kim, J. W. Lee, C. M. Lee	Production of Bi2O3 nanorods via a catalyst-free approach	J KOREAN PHYS SOC	49	632	2006	0.109			
7	T.P. Gujar, V. R. Shinde, C.D. Lokhande	Spray pyrolysed bismuth oxide thin films and their characterization	MATER RES BULL	41	1558	2006	0.546			
8	M. Mehring	From molecules to bismuth oxide-based materials: Potential homo- and heterometallic precursors and model compounds	COORDIN CHEM REV	251	974	2007	3.206			
9	R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri	Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films	J PHYS CHEM SOLIDS	68	665	2007	0.431			
10	H. W. Kim, J. W. Lee, C. Lee	Temperature-controlled fabrication of crystalline beta-Bi2O3 nanowires through an MOCVD process	J KOREAN PHYS SOC	50	1308	2007	0.109			
11	H. W. Kim	Synthesis and characterization of crystalline beta-Bi2O3 nanobelts	THIN SOLID FILMS	516	3665	2008	0.595			
12	T. P. Gujar, V. R. Shinde, C. D. Lokhande	The influence of oxidation temperature on structural, optical and electrical properties of thermally oxidized bismuth oxide films	APPL SURF SCI	254	4186	2008	0.549			
13	H. W. Kim, J. W. Lee, S. H. Shim, M. A. Kebede, C. Lee	Crystalline bismuth oxide nanorods fabricated on Pt-coated substrates using a trimethylbismuth and oxygen mixture	CRYST RES TECHNOL	43	695	2008	0.270			
14	T. N. Soitah, C. Yang, Y. Yu, Y. Niu, L. Sun	Properties of Bi2O3 thin films prepared via a modified Pechini route	CURR APPL PHYS	10	1372	2010	0.502			
15	Y. D. Shen, Y. W. Li, W. M. Li, J. Z. Zhang, Z. G. Hu, J. H. Chu	Growth of Bi2O3 Ultrathin Films by Atomic Layer Deposition	J PHYS CHEM C	116	3449	2012	1.339			
16	D. P. Dutta, M. Roy, A. K. Tyagi	Dual function of rare earth doped nano Bi2O3: white light emission and photocatalytic properties	DALTON T	41	10238	2012	0.883			
18	G. I. Rusu, I. Căplănuș, L. Leontie, A. Airinei, E. Butuc, D. Mardare, and	Studies on the Electronic Transport Properties of some Aromatic Polysulfones in Thin Films	ACTA MATER	49	553	2001	1.705	7	5.67	0.18
19	F. Yakuphanoglu, A. O. Gorgulu, Y. Aydogdu, A. Aydogdu, M. Arslan	The synthesis, characterization, and electrical conductivity of the potassium salt of 1,3-dipiperidin-1-ylpropan-2-O-xanthate	SYNTH REACT INORG M	33	911	2003	0.079			
20	V. Melnig, A. Farcas, G. Rusu, C. Baban	Characterization of poly[9,9-bis(2-ethylhexyl)-fluorene-co-9-ethylcapronate-fluorene-2,7-diyl] conducting polymer	J OPTOELECTRON ADV M	7	2875	2005	0.110			
21	A. Farcas, I. Ghosh, N. Jarroux, V. Harabagiu, P. Guegan, W. M. Nau	Morphology and properties of a polyrotaxane based on gamma-cyclodextrin and a polyfluorene copolymer	CHEM PHYS LETT	465	96	2008	0.694			
22	L. Leontie, M. Caraman, M. Delibas, and G. I. Rusu	Optical Properties of Bismuth Trioxide Thin Films	MATER RES BULL	36	629	2001	0.546	4	4.00	13.50
23	C. Bedoya, G. G. Condorelli, G. Anastasi, A. Baeri, F. Scerra, I. L. Fragala	MOCVD of bismuth oxides: Transport properties and deposition mechanisms of the Bi(C6H5)3 precursor	CHEM MATER	16	3176	2004	1.910			
24	R. Irmawati, M. N. N. Nasriah, Y. H. Taufiq-Yap, S. B. A. Hamid	Characterization of bismuth oxide catalysts prepared from bismuth trinitrate pentahydrate: influence of bismuth concentration	CATAL TODAY	93-95	701	2004	0.919			
25	B. J. Yang, M. S. Mo, H. M. Hu, C. Li, X. G. Yang, Q. W. Li, Y. T. Qian	A rational self-sacrificing template route to beta-Bi2O3 nanotube arrays	EUR J INORG CHEM	9	1785	2004	0.663			
26	O. Rico-Fuentes, E. Sanchez-Aguilera, C. Velasquez, R. Ortega-Alvarado	Characterization of spray deposited bismuth oxide thin films and their thermal conversion to bismuth silicate	THIN SOLID FILMS	478	96	2005	0.595			
27	T. P. Gujar, V.R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han	Bismuth oxide thin films prepared by chemical bath deposition (CBD) method: Annealing effect	APPL SURF SCI	250	161	2005	0.549			
28	Y. Bessekhoud, D. Robert, J.-V. Weber	Photocatalytic activity of Cu2O/TiO2, Bi2O3/TiO2 and ZnMn2O4/TiO2 heterojunctions	CATAL TODAY	101	315	2005	0.919			
29	H. T. Fan, X. M. Teng, S. S. Pan, C. Ye, G. H. Li, and L. D. Zhang	Optical properties of delta-Bi2O3 thin films grown by reactive sputtering	APPL PHYS LETT	87	231916	2005	1.384			
30	L. Li, Y.-W. Yang, G.-H. Li, and L.-D. Zhang	Conversion of a Bi Nanowire Array to an Array of Bi-Bi2O3 Core-Shell Nanowires and Bi2O3 Nanotubes	SMALL	2	548	2006	2.507			
32	C. C. Huang, K. Z. Fung	Effect of the surface configuration on the oxidation of bismuth nanowire	MATER RES BULL	41	1604	2006	0.546			
33	T. Takeyama, Y. Kajikawa, N. Takahashi, T. Nakamura, S. Itoh	Halide CVD of Bi2O3 under atmospheric pressure: Synthesis of alpha-rods and delta-films	CHEM VAPOR DEPOS	12	203	2006	0.581			

34	M. Mehring, D. Mansfeld, S. Paalasmaa, and M. Schürmann	Polynuclear bismuth-oxo clusters: Insight into the formation process of a metal oxide	CHEM-EUR J	12	1767	2006	1.527				
35	T. P. Gujar, V. R. Shinde, C. D. Lokhande, R. S. Mane, S.-H. Han	Formation of highly textured (111) Bi2O3 films by anodization of electrodeposited bismuth films	APPL SURF SCI	252	2747	2006	0.549				
36	T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh	Ice-like growth of delta-Bi2O3 tips deposited on sapphire substrate by means of the carbothermal method	MATER LETT	60	3416	2006	0.581				
37	T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh	Heteroepitaxial growth of delta-Bi2O3 thin films on CaF2(111) by chemical vapour deposition under atmospheric pressure	MATER RES BULL	41	1690	2006	0.546				
38	T. P. Gujar, V.R. Shinde, C. D. Lokhande	Spray pyrolysed bismuth oxide thin films and their characterization	MATER RES BULL	41	1558	2006	0.546				
39	H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li, L. D. Zhang	delta-Bi2O3 thin films prepared by reactive sputtering: Fabrication and characterization	THIN SOLID FILMS	513	142	2006	0.595				
40	L. S. Zhang, W. Z. Wang, J. O. Yang, Z. G. Chen, W. Q. Zhang, L. Zhou, S.	Sonochemical synthesis of nanocrystallite Bi2O3 as a visible-light-driven photocatalyst	APPL CATAL A-GEN	308	105	2006	0.929				
41	B. L. Zhu, X. Z. Zhao	Study on structure and optical properties of Bi2O3 thin films prepared by reactive pulsed laser deposition	OPT MATER	29	192	2006	0.562				
42	G. J. You, P. Zhou, Z. W. Dong, C. F. Zhang, L. Y. Chen, S. X. Qian	Femtosecond third-order optical nonlinearity of Au: Bi2O3 nanocomposite films	CHINESE PHYS LETT	24	730	2007	0.181				
	J. Le Bris, L. G. Hubert-Pfalzgraf, S. Daniele, J. Vaissermann	Cost efficient synthesis of bismuth aminoalkoxides from bismuth oxide: Molecular structure of [Bi-2(mdea)(2)(mdeaH)(2)](mdeaH(2))(2)	INORG CHEM COMMUN	10	80	2007	0.353				
	R. B. Patil, R. K. Puri, V. Puri	Oxidation temperature dependent optical properties of bismuth oxide thin films: Effect of vapour chopping and air exposure	APPL SURF SCI	253	8682	2007	0.549				
	X.-P. Shen, S.-H. Wu, H. Zhao, Q. Liu	Synthesis of single-crystalline Bi2O3 nanowires by atmospheric pressure chemical vapor deposition approach	PHYSICA E	39	133	2007	0.418				
	R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri	Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films	J PHYS CHEM SOLIDS	68	665	2007	0.431				
	R. B. Patil, R. K. Puri, V. Puri	Effect of chopping on the properties of bismuth oxide thin films	MATER LETT	62	198	2008	0.581				
	J. Xie, X. Lu, M. Chen, G. Zhao, Y. Song, S. Lu	The synthesis, characterization and photocatalytic activity of V(V), Pb(II), Ag(I) and Co(II)-doped Bi2O3	DYES PIGMENTS	77	43	2007	0.659				
	J. K. Reddy, K. Lalitha, V. D. Kumari, M. Subrahmanyam	Photocatalytic study of Bi-ZSM-5 and Bi2O3/HZSM-5 for the treatment of phenolic wastes	CATAL LETT	121	131	2008	0.585				
	T. P. Gujar, V. R. Shinde, C. D. Lokhande	The influence of oxidation temperature on structural, optical and electrical properties of thermally oxidized bismuth oxide films	APPL SURF SCI	254	4186	2008	0.549				
	S. Patil, R. Jadhav, V. Puri	Ku band properties of Bi2O(3) thin film: Effect of oxidation temperature	INT CONF RECENT ADV MICROWAVE THEORY APPL		163	2008	0.000				
	P. C. Andrews, P. C. Junk, I. Nuzhnaya, L. Spiccia	Fluorinated bismuth alkoxides: from monomers to polymers and oxo-clusters	DALTON T	19	2557	2008	0.883				
	J. Zhi, Y. Geng, D. Gu	Write-once medium with BiOx thin films for blue laser recording	CHIN OPT LETT	6	294	2008	0.000				
	L. Zhou, W. Wang, H. Xu, S. Sun, M. Shang	Bi2O3 Hierarchical Nanostructures: Controllable Synthesis, Growth Mechanism, and their Application in Photocatalysis	CHEM-EUR J	15	1776	2009	1.527				
	B. Kostova, M. Gospodinov, L. Konstantinov	Optical Absorption of Bi(12)SiO(20):M (M = Cr, P, Cr plus P)	7th INT CONF BALKAN PHYS UN	1203	193	2009	0.000				
	M. Krupinski, M. Kac, A. Polit, Y. Zabila, D. A. Zajac, M. Marszalek, C. Ka	XAFS Studies of the Behaviour of Bi in Co/Cu Multilayers	ACTA PHYS POL A	115	565	2009	0.112				
	P. C. Andrews, G. B. Deacon, P. C. Junk, I. Kumar, J. G. MacLellan	Synthesis, Ethanolysis, and Hydrolysis of Bismuth(III) ortho-Nitrobenzoate Complexes en Route to a Pearl Necklace-like Polymer of Bi-10 Oxo-Clusters	ORGANOMETALLICS	28	3999	2009	0.830				
	S. Anandan, J. J. Wu	Microwave assisted rapid synthesis of Bi2O3 short nanorods	MATER LETT	63	2387	2009	0.581				
	W. Zou, W.-C. Hao, X. Xin, T.-M. Wang	Visible-Light Photocatalytic Degradation of RhB by Bi2O3 Polymorphs	CHINESE J INORG CHEM	25	1971	2009	0.057				
	J. K. Reddy, B. Srinivas, V. D. Kumari, M. Subrahmanyam	Sm3+-Doped Bi2O3 Photocatalyst Prepared by Hydrothermal Synthesis	CHEMCATCHEM	1	492	2009	1.352				
	G. L. Fang, G. Chen, J. Q. Liu, X. Wang	Ultraviolet-Emitting Bi2O2.33 Nanosheets Prepared by Electrolytic Corrosion of Metal Bi	J PHYS CHEM C	114	864	2010	1.339				
	Y. Wang, Y. Y. Wen, H. M. Ding, Y. K. Shan	Improved structural stability of titanium-doped beta-Bi2O3 during visible-light-activated photocatalytic processes	J MATER SCI	45	1385	2010	0.583				
	S. Anandan, G. -J. Lee, P. -K. Chen, C. Fan, J. J. Wu	Removal of Orange II Dye in Water by Visible Light Assisted Photocatalytic Ozonation Using Bi2O3 and Au/Bi2O3 Nanorods	IND ENG CHEM RES	49	9729	2010	0.638				
	J. Geng, F. Wang, Y. Wu, G. Lu	The Evidences of Morphology Dependent Electroactivity Toward CO Oxidation over Bismuth Oxide Supported Pt	CATAL LETT	135	114	2010	0.585				
	H. Lu, S. Wang, B. Dong, Z. Xu, L. Zhao, J. Li	One-Step Hydrothermal Formation of Bi2O3 Nanorods with Radially Ultrathin Nanotubes	J PHYS SOC JPN	79	94802	2010	0.967				
	K. Brezesinski, R. Ostermann, P. Hartmann, J. Perlich, T. Brezesinski	Exceptional Photocatalytic Activity of Ordered Mesoporous beta-Bi2O3 Thin Films and Electrospun Nanofiber Mats	CHEM MATER	22	3079	2010	1.910				
	Z. W. Chen, J. Q. Hu, X. H. He	Controllable Growth of Monoclinic alpha-Bi2O3 Submicrorods by Hydrothermal Synthesis Method	RARE METAL MAT ENG	39	26	2010	0.028				
	G. Lin, D. Tan, F. Luo, D. Chen, Q. Zhao, J. Qiu, Z. Xu	Fabrication and photocatalytic property of alpha-Bi2O3 nanoparticles by femtosecond laser ablation in liquid	J ALLOY COMPD	507	L43	2010	0.507				

H. Cheng, B. Huang, J. Lu, Z. Wang, B. Xu, X. Qin, X. Zhang, Y. Dai	Synergistic effect of crystal and electronic structures on the visible-light-driven photocatalytic performances of Bi ₂ O ₃ polymorphs	PHYS CHEM CHEM PHYS	12	15468	2010	1.241			
E. Carbia-Ruelas, M. E. Sanchez-Vergara, V. Garcia-Montalvo, O. G. Mo	Electrical and optical properties of thermally-evaporated thin films from A(2)[TiO(C ₂ O ₄)(₂)] (A = K, PPh ₄) and 1,8-dihydroxanthraquinone	APPL SURF SCI	257	3313	2010	0.549			
G. Fang, G. Chen, X. Wang, J. Liu	Synthesis and luminescence of single crystalline Bi ₂ O ₃ nanosheets	SCI CHINA TECHNOL SC	54	19	2011	0.130			
Y. Wang, J. Zhao, Z. Wang	A simple low-temperature fabrication of oblique prism-like bismuth oxide via a one-step aqueous process	COLLOID SURFACE A	377	409	2011	0.587			
X. Liu, H. Cao, J. Yin	Generation and Photocatalytic Activities of Bi@Bi ₂ O ₃ Microspheres	NANO RES	4	470	2011	2.384			
P. Sathishkumar, R. Sweena, J. J. Wu, S. Anandan	Synthesis of CuO-ZnO nanophotocatalyst for visible light assisted degradation of a textile dye in aqueous solution	CHEM ENG J	171	136	2011	0.819			
Z. L. Xu, I. Tabata, K. Hirogaki, K. Hisada, T. Wang, S. Wang, T. Hori	Nontraditional template synthesis of microjagged bismuth oxide: a highly efficient visible light responsive photocatalyst	CATAL SCI TECHNOL	1	397	2011	0.000			
T. I. Milenov, P. M. Rafailov, C. Thomsen, A. Egorysheva, R. Titorenkov	Raman and optical spectroscopy characteristics of Se-doped Bi(12)SiO(20) crystals	OPT MATER	33	1573	2011	0.562			
S. Durmusoglu, I. Uslu, T. Tunc, S. Keskin, A. Aytimur, A. Akdemir	Synthesis and characterization of boron-doped Bi ₂ O ₃ -La ₂ O ₃ fiber derived nanocomposite precursor	J POLYM RES	19	1999	2011	0.331			
S. S. Bhande, R. S. Mane, A. V. Ghule, S.-H. Han	A bismuth oxide nanoplate-based carbon dioxide gas sensor	SCRIPTA MATER	65	1081	2011	1.204			
M. E. Sanchez-Vergara, V. Garcia-Montalvo, J. C. Alonso-Huitron, A. Ro	Electrical and optical properties of one-dimensional metallophthalocyanine (M = Fe) thin films grown by thermal evaporation	J MATER SCI-MATER EL	23	193	2012	0.291			
N. O. Kalaycioglu, E. Circir	Synthesis, Characterization and Oxide Ionic Conductivity of Binary beta-(Bi ₂ O ₃)(1-x)(Lu ₂ O ₃)(x) System	J CHIN CHEM SOC-TAIP	59	28	2012	0.142			
Y. D. Shen, Y. W. Li, W. M. Li, J. Z. Zhang, Z. G. Hu, J. H. Chu	Growth of Bi ₂ O ₃ Ultrathin Films by Atomic Layer Deposition	J PHYS CHEM C	116	3449	2012	1.339			
M. Vila, C. Diaz-Guerra, L. Piqueras	Luminescence and Raman study of alpha-Bi ₂ O ₃ ceramics	MATER CHEM PHYS	133	559	2012	0.628			
H. Lu, S. Wang, L. Zhao, B. Dong, Z. Xu, J. Li	Surfactant-assisted hydrothermal synthesis of Bi ₂ O ₃ nano/microstructures with tunable size	RSC ADV	2	3374	2012	0.000			
M. A. Gondal, T. A. Saleh, Q. Drmoh	Optical Properties of Bismuth Oxide Nanoparticles Synthesized by Pulsed Laser Ablation in Liquids	SCI ADV MATER	4	507	2012	0.657			
H. Sakata, S. Chakraborty, M. Wakaki	Patterning of Bi ₂ O ₃ films using laser-induced forward and backward transfer techniques	MICROELECTRON ENG	96	56	2012	0.490			
M. Muruganandham, R. Amutha, G.-J. Lee, S.-H. Hsieh, J. J. Wu, M. Silli	Facile Fabrication of Tunable Bi ₂ O ₃ Self-Assembly and Its Visible Light Photocatalytic Activity	J PHYS CHEM C	116	12906	2012	1.339			
B. Sirota, J. Reyes-Cuellar, P. Kohli, L. Wang, M. E. McCarroll, S. M. Aou	Bismuth oxide photocatalytic nanostructures produced by magnetron sputtering deposition	THIN SOLID FILMS	520	6118	2012	0.595			
M. Vila, C. Diaz-Guerra, J. Piqueras	Laser irradiation-induced alpha to delta phase transformation in Bi ₂ O ₃ ceramics and nanowires	APPL PHYS LETT	101	10.1063	2012	1.384			
J. Xia, M. Tang, C. Chen, S. Jin, Y. Chen	Preparation of alpha-Bi ₂ O ₃ from bismuth powders through low-temperature oxidation	TRANSACT NON FER METAL SOC CHINA	22	2289	2012	0.000			
X. Huang, J. Yan, F. Zeng, X. Yuan, W. Zou, D. Yuan	Facile preparation of orange-like Bi ₂ O ₃ microspheres for high performance supercapacitor application	MATER LETT	90	90	2013	0.581			
L. Leontie, Mihaela Roman, I. Căplănuș, G.I. Rusu	On the electronic transport properties of some disubstituted carbanion pyridazinium ylids in thin films	PROG ORG COAT	44	287	2002	0.481	4	4.00	0.75
Dana Dorohoi	Electronic Spectroscopy of N-ylids	J MOL STRUCT	704	31	2004	0.320			
F. Yakuphanoglu, I. Erol	A novel organic semiconducting material: 2-(3-mesityl-3-methylcyclobutyl)-2-keto-ethyl methacrylate (MCKEMA)	PHYSICA B	352	378	2004	0.323			
M. Homocianu, A. Airinei, D. O. Dorohoi	Intermolecular interactions in binary solutions of some pyridazinium ylids studied by visible electron spectroscopy	INT CONF APPL OPT PHOTONICS 2011	8001	80013K	2011	0.000			
L. Stroia, R.-E. Stanculescu, D.-O. Dorohoi	Solvatochromism used in determining some molecular electro-optical parameters	INT CONF APPL OPT PHOTONICS 2011	8001	80012S	2011	0.000			
M. Avadanei, D. O. Dorohoi, N. Puica-Melnicic	Ordering Tendency in Ternary Solutions of Pyridazinium Ylids Evidenced by Electron Spectroscopy	INT CONF APPL OPT PHOTONICS 2011	8001		2011	0.000			
M. Homocianu, A. Airinei, D. O. Dorohoi, I. Olariu, N. Fifere	Solvatochromic effects in the UV/vis absorption spectra of some pyridazinium ylides	SPECTROCHIM ACTA A	82	355	2011	0.355			
L. Leontie, M. Caraman, M. Alexe, C. Harnagea	Structural and optical characteristics of bismuth oxide thin films	SURF SCI	507	480	2002	0.619	4	4.00	15.50
C. Bedoya, G.G. Condorelli, G. Anastasi, A. Baeri, F. Scerra, I. L. Fragala	MOCVD of bismuth oxides: Transport properties and deposition mechanisms of the Bi(C ₆ H ₅)(₃) precursor	CHEM MATER	16	3176	2004	1.910			
T. Takeyama, N. Takahashi, T. Nakamura, S. Ito	Growth of the Bi ₂ O ₃ thin films under atmospheric pressure by means of halide CVD	J PHYS CHEM SOLIDS	65	1349	2004	0.431			
M. Chakrabarti, S. Dutta, S. Chattapadhyay, A. Sarkar, D. Sanyal, A. Ch	Grain size dependence of optical properties and positron annihilation parameters in Bi ₂ O ₃ powder	NANOTECHNOLOGY	15	1792	2004	1.233			
O. Rico-Fuentes, E. Sanchez-Aguilera, C. Velasquez, R. Ortega-Alvarado	Characterization of spray deposited bismuth oxide thin films and their thermal conversion to bismuth silicate	THIN SOLID FILMS	478	96	2005	0.595			
V. Fruth, M. Popa, D. Berger, R. Ramer, M. Gartner, A. Ciulei, M. Zahari	Deposition and characterisation of bismuth oxide thin films	J EUR CERAM SOC	25	2171	2005	0.689			
G.-J. You, P. Zhou, C.-F. Zhang, Z.-W. Dong, F. Yang, Z.-L. Du, L.-Y. Chen	Ultrafast studies on the energy relaxation dynamics and the concentration dependence in Ag:Bi ₂ O ₃ nanocomposite films	CHEM PHYS LETT	413	162	2005	0.694			

Y. Bessekhoud, D. Robert, J.-V. Weber	Photocatalytic activity of Cu ₂ O/TiO ₂ , Bi ₂ O ₃ /TiO ₂ and ZnMn ₂ O ₄ /TiO ₂ heterojunctions	CATAL TODAY	101	315	2005	0.919			
C. Bedoya, G.G. Condorelli, S.T. Finocchiaro, A. Di Mauro, I.L. Fragalà, L.	Comparison of thermal and mass-transport properties of Bi(tmhd) ₃ , Bi(p-toI) ₃ , and Bi(o-toI) ₃ MOCVD precursors	CHEM VAPOR DEPOS	11	261	2005	0.581			
T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh	Microstructure characterization of β-Bi ₂ O ₃ thin film under atmospheric pressure by means of halide CVD on c-sapphire	J CRYST GROWTH	275	460	2005	0.490			
H. T. Fan, X. M. Teng, S. S. Pan, C. Ye, G. H. Li, and L. D. Zhang	Optical properties of delta-Bi ₂ O ₃ thin films grown by reactive sputtering	APPL PHYS LETT	87	231916	2005	1.384			
W. Li	Preparation and structure characteristics of nano-Bi ₂ O ₃ powders with mixed crystal structure	J CENT SOUTH UNIV T	12	243	2005	0.073			
C. C. Huang, K. Z. Fung	Effect of the surface configuration on the oxidation of bismuth nanowire	MATER RES BULL	41	1604	2006	0.546			
T. Takeyama, Y. Kajikawa, N. Takahashi, T. Nakamura, S. Itoh	Halide CVD of Bi ₂ O ₃ under atmospheric pressure: Synthesis of alpha-rods and delta-films	CHEM VAPOR DEPOS	12	203	2006	0.581			
G. You, P. Zhou, C. Zhang, Z. Dong, L. Chen, S. Qian	Ultrafast nonlinear optical response of silver/bismuth oxide nanocomposite films with different silver concentrations	J LUMIN	119-120	370	2006	0.502			
D. H. Kim, S. H. Lee, J. K. Kim, G. H. Lee	Structure and electrical transport properties of bismuth thin films prepared by RF magnetron sputtering	APPL SURF SCI	252	3525	2006	0.549			
M. Mehring, D. Mansfeld, S. Paalasmaa, and M. Schürmann	Polynuclear bismuth-oxo clusters: Insight into the formation process of a metal oxide	CHEM-EUR J	12	1767	2006	1.527			
T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh	Ice-like growth of delta-Bi ₂ O ₃ tips deposited on sapphire substrate by means of the carbothermal method	MATER LETT	60	3416	2006	0.581			
Y. F. Qiu, D. F. Liu, J. H. Yang, S. H. Yang	Controlled synthesis of bismuth oxide nanowires by an oxidative metal vapor transport deposition technique	ADV MATER	18	2604	2006	4.061			
T. P. Gujar, V. R. Shinde, C. D. Lokhande, S. H. Han	Fibrous nanorod network of bismuth oxide by chemical method	MATER SCI ENG B-ADV	133	177	2006	0.533			
T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh	Heteroepitaxial growth of delta-Bi ₂ O ₃ thin films on CaF ₂ (111) by chemical vapour deposition under atmospheric pressure	MATER RES BULL	41	1690	2006	0.546			
H. W. Kim, J. W. Lee, C. M. Lee	Production of Bi ₂ O ₃ nanorods via a catalyst-free approach	J KOREAN PHYS SOC	49	632	2006	0.109			
T. P. Gujar, V. R. Shinde, C. D. Lokhande	Spray pyrolysed bismuth oxide thin films and their characterization	MATER RES BULL	41	1558	2006	0.546			
H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li, L. D. Zhang	delta-Bi ₂ O ₃ thin films prepared by reactive sputtering: Fabrication and characterization	THIN SOLID FILMS	513	142	2006	0.595			
H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li	Structure and thermal stability of delta-Bi ₂ O ₃ thin films deposited by reactive sputtering	J PHYS D APPL PHYS	39	1939	2006	0.898			
B. L. Zhu, X. Z. Zhao	Study on structure and optical properties of Bi ₂ O ₃ thin films prepared by reactive pulsed laser deposition	OPT MATER	29	192	2006	0.562			
G. Rizza, A. Dunlop, A. Dezellus	Behavior of metallic nanoparticles in Al matrix under high electronic energy deposition	NUCL INSTRUM METH B	256	219	2007	0.364			
M. Mehring	From molecules to bismuth oxide-based materials: Potential homo- and heterometallic precursors and model Compounds	COORDIN CHEM REV	251	974	2007	3.206			
M. Karimi, R. Tu, J. Peng, W. Lennard, G. H. Chapman, K. L. Kavanagh	Transparent conducting indium bismuth oxide	THIN SOLID FILMS	515	3760	2007	0.595			
W. Xiaohong, Q. Wei, H. Weidong	Thin bismuth oxide films prepared through the sol-gel method as photocatalyst	J MOL CATAL A-CHEM	261	167	2007	0.765			
H. W. Kim, J. W. Lee, S. H. Shim	Study of Bi ₂ O ₃ nanorods grown using the MOCVD technique	SENSOR ACTUAT B-CHEM	126	306	2007	0.801			
X. Y. Chen, H. S. Huh, S. W. Lee	Controlled synthesis of bismuth oxo nanoscale crystals (BiOCl, Bi ₁₂ O ₁₇ Cl ₂ , alpha-Bi ₂ O ₃ , and (BiO) ₂ (CO ₃) by solution-phase methods	J SOLID STATE CHEM	180	2510	2007	0.670			
L. Kumari, J. H. Lin, Y. R. Ma	Synthesis of bismuth oxide nanostructures by an oxidative metal vapour phase deposition technique	NANOTECHNOLOGY	18	295605	2007	1.233			
H. Weidong, Q. Wei, W. Xiaohong, N. Hailong	Thin bismuth oxide films prepared through the sol-gel method	MATER LETT	61	410	2007	0.581			
R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri	Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films	J PHYS CHEM SOLIDS	68	665	2007	0.431			
W. D. He, W. Qin, X. H. Wu, X. B. Ding, L. Chen, Z. H. Jiang	The photocatalytic properties of bismuth oxide films prepared through the sol-gel method	THIN SOLID FILMS	515	5362	2007	0.595			
G. J. You, P. Zhou, Z. W. Dong, C. F. Zhang, L. Y. Chen, X. X. Qian	Ultrafast third-order nonlinear optical response of Cu: Bi ₂ O ₃ nanocomposite films	PHYSICA B	393	88	2007	0.323			
Y. Q. Chu, B. Wu, L. Wu, Q. Shui, Z. W. Fu	Electrochromic properties of bismuth oxide thin films prepared by reactive pulsed laser deposition	ACTA PHYS-CHEM SIN	23	1787	2007	0.099			
L. Kumari, J.-H. Lin, Y.-R. Ma	One-dimensional Bi ₂ O ₃ nanohooks: synthesis, characterization and optical properties"	J PHYS-CONDENS MAT	19	406204	2007	1.010			
R. B. Patil, R. K. Puri, V. Puri	Effect of chopping on the properties of bismuth oxide thin films	MATER LETT	62	198	2008	0.581			
H. W. Kim	Synthesis and characterization of crystalline beta-Bi ₂ O ₃ nanobelts	THIN SOLID FILMS	516	3665	2008	0.595			
S. Patil, D. Kulkarni, Vijaya Puri	Microwave Studies of Thermally Oxidized Vacuum Evaporated Bismuth Thin Films on Alumina	J PHYS CONF SERIES	114	12040	2008	0.000			
H. W. Kim, J. W. Lee, S. H. Shim, M. A. Kebede, C. Lee	Crystalline bismuth oxide nanorods fabricated on Pt-coated substrates using a trimethylbismuth and oxygen mixture	CRYST RES TECHNOL	43	395	2008	0.270			
Z. Jiang, Y. Y. Geng, D. H. Gu	Write-once medium with Fe-Doped BiOx thin films for blue laser recording	CHINESE PHYS LETT	25	3288	2008	0.181			

S. Park, H. Kim, C. Lee, D. H. Lee, S. S. Hong	Synthesis of Very Straight Bismuth Oxide Nanowires by Using Thermal Evaporation of Bismuth Powders	J KOREAN PHYS SOC	53	1965	2008	0.109			
O. Bordun, I. Kukharskii, V. Dmitruk, V. Antonyuk, V. Savchin	Luminescence centers in alpha-Bi2O3 ceramics	J APPL SPECTROSC+	75	681	2008	0.000			
L. Zhou, W. Wang, H. Xu, S. Sun, M. Shang	Bi2O3 Hierarchical Nanostructures: Controllable Synthesis, Growth Mechanism, and their Application in Photocatalysis	CHEM-EUR J	15	1776	2009	1.527			
X. Wu, W. Qin, L. Li, Y. Guo, Z. Xie	Photocatalytic property of nanostructured Fe3+-doped Bi2O3 films	CATAL COMMUN	10	600	2009	0.746			
M. Krupinski, M. Kac, A. Polit, Y. Zabala, D. A. Zajac, M. Marszalek, C. Ka	XAFS Studies of the Behaviour of Bi in Co/Cu Multilayers	ACTA PHYS POL A	115	565	2009	0.112			
K. Trentelman	A note on the characterization of bismuth black by Raman microspectroscopy	J RAMAN SPECTROSC	40	585	2009	0.619			
S. Condurache-Bota, G.I. Rusu, N. Tigau, R. Drasovean, C. Gheorghies	Structural and optical characterization of thermally oxidized bismuth films	REV ROUM CHIM	54	205	2009	0.065			
L. Huang, L.-P. Li, T.-J. Yan, G.-S. Li	Synthesis, Characterization, and Photocatalytic Activity of Bi2O3	CHINESE J STRUC CHEM	28	1458	2009	0.057			
J. K. Reddy, B. Srinivas, V. D. Kumari, M. Subrahmanyam	Sm3+-Doped Bi2O3 Photocatalyst Prepared by Hydrothermal Synthesis	CHEMCATCHEM	1	492	2009	1.352			
G. L. Fang, G. Chen, J. Q. Liu, X. Wang	Ultraviolet-Emitting Bi2O2.33 Nanosheets Prepared by Electrolytic Corrosion of Metal Bi	J PHYS CHEM C	114	864	2010	1.339			
T.-K. Tseng, J. Choi, D.-W. Jung, M. Davidson, P. H. Holloway	Three-Dimensional Self-Assembled Hierarchical Architectures of Gamma-Phase Flowerlike Bismuth Oxide	ACS APPL MATER INTER	2	943	2010	1.274			
A. M. Hussain, B. Neppolian, H.-S. Shim, S. H. Kim, S.-K. Kim, H. C. Choi,	Efficiency Enhancement in Bulk Heterojunction Polymer Photovoltaic Cells Using ZrTiO4/Bi2O3 Metal-Oxide Nanocomposites	JPN J APPL PHYS	49	42301	2010	0.329			
T. N. Soitah, C. Yang, Y. Yu, Y. Niu, L. Sun	Properties of Bi2O3 thin films prepared via a modified Pechini route	CURR APPL PHYS	10	1372	2010	0.502			
S. J. A. Moniz, C. S. Blackman, C. J. Carmalt, G. Hyett	MOCVD of crystalline Bi2O3 thin films using a single-source bismuth alkoxide precursor and their use in photodegradation of water	J MATER CHEM	20	7881	2010	1.571			
A. Jana, C. Bhattacharya, J. Datta	Enhanced photoelectrochemical activity of electro-synthesized CdS-Bi2S3 composite films grown with self-designed cross-linked structure	ELECTROCHIM ACTA	55	6553	2010	0.981			
C. Hong, H. W. Kim, W. I. Lee, C. Lee	Bi2O3/TiO2 coaxial nanorods: Synthesis, characterization and photoluminescence properties	THIN SOLID FILMS	518	6638	2010	0.595			
S.-H. Chen, C.-Y. Wang, T.-F. Liu, C.-G. Chao	Fabrication of bismuth oxide-tin oxide nanowires by direct thermal oxidation of Bi-Sn eutectic nanowires	MATER LETT	64	2502	2010	0.581			
C. Jin, H. Kim, C. Lee	The Structure and Photoluminescence Properties of Bi2O3-Core/SnO2-Shell Nanowires	J NANOSCI NANOTECHNO	11	624	2011	0.290			
G. Fang, G. Chen, X. Wang, J. Liu	Synthesis and luminescence of single crystalline Bi2O3 nanosheets	SCI CHINA SER E	54	19	2011	0.189			
Q. Huang, S. Zhang, C. Cai, B. Zhou	beta- and alpha-Bi2O3 nanoparticles synthesized via microwave-assisted method and their photocatalytic activity towards the degradation of rhodamine B	MATER LETT	65	988	2011	0.581			
Y. Qiu, M. Yang, H. Fan, Y. Zuo, Y. Shao, Y. Xu, X. Yang, S. Yang	Phase-transitions of alpha- and beta-Bi2O3 nanowires	MATER LETT	65	780	2011	0.581			
J. In, I. Yoon, K. Seo, J. Park, J. Choo, Y. Lee, B. Kim	Polymorph-Tuned Synthesis of alpha- and beta-Bi2O3 Nanowires and Determination of Their Growth Direction from Polarized Raman Single Nanowire Microscopy	CHEM-EUR J	17	1304	2011	1.527			
J. Xu, M. Chen, D. Fu	Preparation of bismuth oxide/titania composite particles and their photocatalytic activity to degradation of 4-chlorophenol	TRANSACT NON FER METAL SOC CHINA	21	340	2011	0.000			
X. Liu, H. Cao, J. Yin	Generation and Photocatalytic Activities of Bi@Bi2O3 Microspheres	NANO RES	4	470	2011	2.384			
G. Balakrishnan, T. N. Sairam, P. Pappusami, R. Thiumurugesan, E. Mo	Influence of oxygen partial pressure on the properties of pulsed laser deposited nanocrystalline zirconia thin films	APPL SURF SCI	257	8506	2011	0.549			
Y. Qiu, M. Yang, H. Fan, Y. Zuo, Y. Shao, Y. Xu, X. Yang, S. Yang	Nanowires of alpha- and beta-Bi2O3: phase-selective synthesis and application in photocatalysis	CRYSTENGCOMM	13	1843	2011	0.749			
L. Huang, G. Li, T. Yan, J. Zheng, L. Li	Uncovering the structural stabilities of the functional bismuth containing oxides: a case study of alpha-Bi2O3 nanoparticles in aqueous solutions	NEW J CHEM	35	197	2011	0.680			
Z. L. Xu, I. Tabata, K. Hirogaki, K. Hisada, T. Wang, S. Wang, T. Hori	Nontraditional template synthesis of microjagged bismuth oxide: a highly efficient visible light responsive photocatalyst	CATAL SCI TECHNOL	1	397	2011	0.000			
M. F. Melendrez, G. Cardenas, C. Vargas-Hernandez, T. Andreu, J. R. M	Synthesis and Sensing Properties of SnO(2) Thin Films Obtained by Condensed Vapors Deposition	SENSOR LETT	9	1282	2011	0.173			
S. Condurache-Bota, N. Tigau, A. P. Rambu, G. G. Rusu, G. I. Rusu	Optical and electrical properties of thermally oxidized bismuth thin films	APPL SURF SCI	257	10545	2011	0.549			
S. J. A. Moniz, D. Bhachu, C. S. Blackman, A. J. Cross, S. Elouali, D. Pugh	A novel route to Pt-Bi2O3 composite thin films and their application in photo-reduction of water	INORG CHIM ACTA	380	328	2012	0.392			
M. Vila, C. Diaz-Guerra, L. Piqueras	Luminescence and Raman study of alpha-Bi2O3 ceramics	MATER CHEM PHYS	133	559	2012	0.628			
X. -Y. Yang, W. -D. Xiang, X. -Y. Zhang, H. -T. Liu, H. -J. Zhao, X. -J. Lia	Study on the Third-order Optical Nonlinear Absorption Properties of Bi2O3 Nanocrystals Glass	J INORG MATER	27	317	2012	0.052			

M. Chakrabarti, S. Chattopadhyay, D. Sanyal, A. Sarkar, D. Jana	Probing Materials by Positron Annihilation Technique and Mossbauer Spectroscopy - Review	CHARACT ADV MATER	399	1	2012	0.000			
B. Sirota, J. Reyes-Cuellar, P. Kohli, L. Wang, M. E. McCarrroll, S. M. Aou	Bismuth oxide photocatalytic nanostructures produced by magnetron sputtering deposition	THIN SOLID FILMS	520	6118	2012	0.595			
J. Xie, L. Li, C. Tian, C. Han, D. Zhao	Template-free synthesis of hierarchical constructed flower-like delta-Bi2O3 microspheres with photocatalytic performance	MICRO NANO LETT	7	651	2012	0.293			
Z. Yu, J. Zhang, H. Zhang, Y. Shen, A. Xie, F. Huang, S. Li	Facile solvothermal synthesis of porous Bi2O3 microsphere and their photocatalytic performance under visible light	MICRO NANO LETT	7	814	2012	0.293			
S. Wu, J. Fang, X. Xu, Z. Liu, X. Zhu, W. Xu	Microemulsion Synthesis, Characterization of Highly Visible Light Responsive Rare Earth-Doped Bi2O3	PHOTOCHEM PHOTOBIOLOG	88	1205	2012	0.763			
X. Huang, J. Yan, F. Zeng, X. Yuan, W. Zou, D. Yuan	Facile preparation of orange-like Bi2O3.33 microspheres for high performance supercapacitor application	MATER LETT	90	90	2013	0.581			
L. Leontie, M. Roman, F. Brinza, C. Podaru, G. I. Rusu	Electrical and optical properties of some new synthesized ylides in thin films	SYNTHETIC MET	138	157	2003	0.519	5	5.00	1.60
Dana Dorohoi	Electronic Spectroscopy of N-ylids	J MOL STRUCT	704	31	2004	0.320			
A. Koca, F. Dagdelen, Y. Aydogdu	Thermal and optical properties of benzofuran-2-yl3-phenyl-3-methylcyclobutyl thiosemicarbazone	MATER LETT	58	2901	2004	0.581			
A. M. Hoge, M. Popa, C. Legrand, P. Ropa, G. G. Surpateanu, F. Cazier	Theoretical and experimental study on the electrical properties of some 1,3,4-triazole derivatives	J MOL STRUCT	699	31	2004	0.320			
S. Sarkar, Y. Aydogdu, F. Dagdelen, B.B. Bhaumik, K. Dey	X-ray diffraction studies, thermal, electrical and optical properties of oxovanadium (IV) complexes with quadridentate schiff bases	MATER CHEM PHYS	88	357	2004	0.628			
C. Legrand, P. Ropa, B. Vulturescu, A. M. Hoge, G. G. Surpateanu, F. C. B. S. Yilbas	Electrical properties of some 1,2,4-triazole derivatives Laser short-pulse heating of gold-silver assembly: Entropy generation due to heat and electricity flows in electron subsystem	PROG ORG COAT NUMER HEAT TR A-APPL	53 49	106 873	2005 2006	0.481 0.549			
I. A. Rusu, S. Filoti, D. O. Dorohoi, M. Toma	Electric dipole moments in the excited states determined by means of spectral methods	J OPTOELECTRON ADV M	8	1951	2006	0.110			
W.-J. Liu, G.-X. Xiong, W.-P. Wang	Research on synthesis and conductivity of ferrocenyl Schiff base and its salt	APPL ORGANOMET CHEM	21	83	2007	0.402			
E. Carbia-Ruelas, M. E. Sanchez-Vergara, V. Garcia-Montalvo, O. G. Mo	Electrical and optical properties of thermally-evaporated thin films from A(2)[TiO(C2O4)(2)] (A = K, PPh4) and 1,8-dihydroxanthraquinone	APPL SURF SCI	257	3313	2011	0.549			
L. Stroia, R.-E. Stanculescu, D.-O. Dorohoi	Solvatochromism used in determining some molecular electro-optical parameters	INT CONF APPL OPT PHOTONICS 2011	8001	80012	2011	0.000			
M. Avadanei, D. O. Dorohoi, N. Puica-Melnicic	Ordering Tendency in Ternary Solutions of Pyridazinium Ylids Evidenced by Electron Spectroscopy	INT CONF APPL OPT PHOTONICS 2011	8001		2011	0.000			
M. E. Sanchez-Vergara, V. Garcia-Montalvo, J. C. Alonso-Huitron, A. Ro	Electrical and optical properties of one-dimensional metallophthalocyanine (M = Fe) thin films grown by thermal evaporation	J MATER SCI-MATER EL	23	193	2012	0.291			
	On the charge transport in some new carbanion disubstituted ylides in thin films	MATER CHEM PHYS	80	506	2003	0.628	3	3.00	1.67
Dana Dorohoi	Electronic Spectroscopy of N-ylids	J MOL STRUCT	704	31	2004	0.320			
A. M. Hoge, M. Popa, C. Legrand, P. Ropa, G. G. Surpateanu, F. Cazier	Theoretical and experimental study on the electrical properties of some 1,3,4-triazole derivatives	J MOL STRUCT	699	31	2004	0.320			
M. Avadanei, D. O. Dorohoi, N. Puica-Melnicic	Ordering Tendency in Ternary Solutions of Pyridazinium Ylids Evidenced by Electron Spectroscopy	INT CONF APPL OPT PHOTONICS 2011	8001		2011	0.000			
M. Homocianu, A. Airinei, D. O. Dorohoi, I. Olariu, N. Fifere	Solvatochromic effects in the UV/vis absorption spectra of some pyridazinium ylides	SPECTROCHIM ACTA A	82	355	2011	0.355			
A. Rogojanu, C. F. Dascalu, B. C. Zelinschi, M. Caprosu, D. O. Dorohoi	Birefringence and dichroism of poly(vinyl-alcohol) foils containing phthalazinium ylids	SPECTROCHIM ACTA A	81	334	2011	0.355			
M. Avadanei, D. O. Dorohoi, N. Puica-Melnicic	Ordering Tendency in Ternary Solutions of Pyridazinium Ylids Evidenced by Electron Spectroscopy	INT CONF APPL OPT PHOTONICS 2011	8001	80012D	2011	0.000			
M. Homocianu, A. Airinei, D. O. Dorohoi	Intermolecular interactions in binary solutions of some pyridazinium ylids studied by visible electron spectroscopy	INT CONF APPL OPT PHOTONICS 2011	8001	80013K	2011	0.000			
L. Stroia, R.-E. Stanculescu, D.-O. Dorohoi	Solvatochromism used in determining some molecular electro-optical parameters	INT CONF APPL OPT PHOTONICS 2011	8001	80012S	2011	0.000			
A. A. M. Farag, A. M. Mansour, A. H. Ammar, M. A. Rafea	Characterization of electrical and optical absorption of organic based methyl orange for photovoltaic application	SYNTHETIC MET	161	2135	2011	0.519			
D. O. Dorohoi, C. F. Dascalu, T. Teslaru, L. V. Gheorghies	Electronic Absorption Spectra of Two 3-Aryl-pyridazinium-2,4,6-picryl-benzoyl-methylids	SPECTROSC LETT	45	383	2012	0.154			
L. Leontie, I. Druta, R. Alupoae, and G. I. Rusu	On the electronic transport in some new synthesized high resistivity organic semiconductors in thin films	MATER SCI ENG B-ADV	382	21	2003	0.533	4	4.00	0.75
F. Yakuphanoglu, M. Sekerci, E. Evin	The determination of the conduction mechanism and optical band gap of fluorescein sodium salt	PHYSICA B	382	21	2006	0.323			
F. Yakuphanoglu	Electrical conductivity and electrical modulus properties of alpha, omega-dihexylsexithiophene organic Semiconductor	PHYSICA B	393	139	2007	0.323			

	N. A. M. Barakat, A. M. Hamza, S. S. Al-Deyab, A. Qurashi, H. Y. Kim	Titanium-based polymeric electrospun nanofiber mats as a novel organic semiconductor	MAT SCI ENG B-ADV	177	34	2012	0.444			
	Valentina Chiricenco, M. Caraman, I. I. Rusu, L. Leontie	On the luminescence of GaS(Cu) single crystals	J LUMIN	101	71	2003	0.502	4	4.00	2.75
	S. Shigetomi, K. Sakai, T. Ikari	Photoluminescence of layered semiconductor GaS doped with Mn	PHYS STATUS SOLIDI B	241	2607	2004	0.503			
	O. A. Balitskii, V. P. Savchyn, P. V. Savchyn	Thermal oxidation of indium and gallium sulphides	PHYSICA B	355	365	2005	0.323			
	S. Shigetomi, K. Sakai, T. Ikari	Impurity levels in layered semiconductor GaS doped with Cu	JPN J APPL PHYS	44	1306	2005	0.329			
	S. Shigetomi, T. Ikari	Radiative centers in GaS doped with Zn and Cd	REV SCI INSTRUM	76	66108	2005	0.646			
	S. Shigetomi, T. Ikari	Radiative centers in layered semiconductor GaS doped with Zn	J LUMIN	113	137	2005	0.502			
	J. Q. Hu, Y. Bando, J. H. Zhan, Z. W. Liu, D. Golberg	Uniform and high-quality submicrometer tubes of GaS layered crystals	APPL PHYS LETT	87	153112	2005	1.384			
	S. Shigetomi, T. Ikari	Radiative transitions of layered semiconductor GaS doped with P	J LUMIN	118	106	2006	0.502			
	S. Shigetomi, T. Ikari	Optical properties of layered semiconductor GaS doped with As	J APPL PHYS	102	33701	2007	0.834			
	G. Shen, D. Chen, P.-C. Chen, C. Zhou	Vapor-Solid Growth of One-Dimensional Layer-Structured Gallium Sulfide Nanostructures	ACS NANO	3	1115	2009	3.584			
	S. Shigetomi, T. Ikari	Photoluminescence Studies of Layered Semiconductor GaS Doped with Ge	JPN J APPL PHYS	48	30211	2009	0.329			
	S. Shigetomi, T. Ikari	Temperature Dependence of Photoluminescence in Layered Semiconductor n-GaS Doped with Sn	JPN J APPL PHYS	49	50201	2010	0.329			
	C. Jin, H. Kim, S. Park, C. Lee	Effects of substrate temperature on the evolution of GaS nanostructures and their photoluminescence properties	J KOREAN PHYS SOC	61	1298	2012	0.109			
	L. Leontie, M. Caraman, A. Visinoiu, and G. I. Rusu	On the optical properties of bismuth oxide thin films prepared by pulsed laser deposition	THIN SOLID FILMS	473	230	2005	0.595	4	4.00	7.50
	G.-J. You, P. Zhou, C.-F. Zhang, Z.-W. Dong, F. Yang, Z.-L. Du, L.-Y. Chen	Ultrafast studies on the energy relaxation dynamics and the concentration dependence in Ag:Bi2O3 nanocomposite films	CHEM PHYS LETT	413	162	2005	0.694			
	H. T. Fan, X. M. Teng, S. S. Pan, C. Ye, G. H. Li, and L. D. Zhang	Optical properties of delta-Bi2O3 thin films grown by reactive sputtering	APPL PHYS LETT	87	231916	2005	1.384			
	L. Li, Y.-W. Yang, G.-H. Li, and L.-D. Zhang	Conversion of a Bi Nanowire Array to an Array of Bi-Bi2O3 Core-Shell Nanowires and Bi2O3 Nanotubes	SMALL	2	548	2006	2.507			
	T. P. Gujar, V. R. Shinde, C. D. Lokhande, S. H. Han	Fibrous nanorod network of bismuth oxide by chemical method	MATER SCI ENG B-ADV	133	177	2006	0.533			
	T. Takeyama, N. Takahashi, T. Nakamura, S. Itoh	Heteroepitaxial growth of delta-Bi2O3 thin films on CaF2(111) by chemical vapour deposition under atmospheric pressure	MATER RES BULL	41	1690	2006	0.546			
	H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li, L. D. Zhang	delta-Bi2O3 thin films prepared by reactive sputtering: Fabrication and characterization	THIN SOLID FILMS	513	142	2006	0.595			
	H. T. Fan, S. S. Pan, X. M. Teng, C. Ye, G. H. Li	Structure and thermal stability of delta-Bi2O3 thin films deposited by reactive sputtering	J PHYS D APPL PHYS	39	1939	2006	0.898			
	B. L. Zhu, X. Z. Zhao	Study on structure and optical properties of Bi2O3 thin films prepared by reactive pulsed laser deposition	OPT MATER	29	192	2006	0.562			
	M. M. El-Nahass, M. M. Sallam, M. A. Afifi, I. T. Zedan	Structural and optical properties of polycrystalline CdSexTe1-x (0 <= x <= 0.4) thin films	MATER RES BULL	42	371	2007	0.546			
	X. Wu, W. Qin, W. He	Thin bismuth oxide films prepared through the sol-gel method as photocatalyst	J MOL CATAL A-CHEM	261	167	2007	0.765			
	R. B. Patil, R. K. Puri, V. Puri	Oxidation temperature dependent optical properties of bismuth oxide thin films: Effect of vapour chopping and air exposure	APPL SURF SCI	253	8682	2007	0.549			
	H. Weidong, Q. Wei, W. Xiaohong, N. Hailong	Thin bismuth oxide films prepared through the sol-gel method	MATER LETT	61	4100	2007	0.581			
	R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri	Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films	J PHYS CHEM SOLIDS	68	665	2007	0.431			
	W. D. He, W. Qin, X. H. Wu, X. B. Ding, L. Chen, Z. H. Jiang	The photocatalytic properties of bismuth oxide films prepared through the sol-gel method	THIN SOLID FILMS	515	5362	2007	0.595			
	L. D. Zhang, X.-S. Fang	Controlled growth and characterization methods of semiconductor nanomaterials	J NANOSCI NANOTECHNO	8	149	2008	0.290			
	J. Zhi, Y. Geng, D. Gu	Write-once medium with BiOx thin films for blue laser recording	CHIN OPT LETT	6	294	2008	0.000			
	Z. Jiang, Y. Y. Geng, D. H. Gu	Write-once medium with Fe-Doped BiOx thin films for blue laser recording	CHINESE PHYS LETT	25	3288	2008	0.181			
	L. Zhou, W. Wang, H. Xu, S. Sun, M. Shang	Bi2O3 Hierarchical Nanostructures: Controllable Synthesis, Growth Mechanism, and their Application in Photocatalysis	CHEM-EUR J	15	1776	2009	1.527			
	X. Wu, W. Qin, L. Li, Y. Guo, Z. Xie	Photocatalytic property of nanostructured Fe3+-doped Bi2O3 films	CATAL COMMUN	10	600	2009	0.746			
	K. Trentelman	A note on the characterization of bismuth black by Raman microspectroscopy	J RAMAN SPECTROSC	40	585	2009	0.619			
	T. N. Soitah, C. Yang, Y. Yu, Y. Niu, L. Sun	Properties of Bi2O3 thin films prepared via a modified Pechini route	CURR APPL PHYS	10	1372	2010	0.502			
	A. Jana, C. Bhattacharya, J. Datta	Enhanced photoelectrochemical activity of electro-synthesized CdS-Bi2S3 composite films grown with self-designed cross-linked structure	ELECTROCHIM ACTA	55	6553	2010	0.981			
	H. Lu, S. Wang, B. Dong, Z. Xu, L. Zhao, J. Li	One-Step Hydrothermal Formation of Bi2O3 Nanorhinos with Radially Ultrathin Nanotubes	J PHYS SOC JPN	79	94802	2010	0.967			

G. Lin, D. Tan, F. Luo, D. Chen, Q. Zhao, J. Qiu, Z. Xu	Fabrication and photocatalytic property of alpha-Bi2O3 nanoparticles by femtosecond laser ablation in liquid	J ALLOY COMPD	507	L43	2010	0.507			
S.-H. Chen, C.-Y. Wang, T.-F. Liu, C.-G. Chao	Fabrication of bismuth oxide-tin oxide nanowires by direct thermal oxidation of Bi-Sn eutectic nanowires	MATER LETT	64	2502	2010	0.581			
M. Bozoklu, O. Turkoglu, S. Yilmaz, M. Ari, I. Belenli	Oxide ionic conductivity and crystallographic properties of tetragonal type Bi2O3-based solid electrolyte doped with Ho2O3	MATER SCI TECH-LOND	26	1239	2010	0.355			
S. Anandan, G. -J. Lee, P. -K. Chen, C. Fan, J. J. Wu	Removal of Orange II Dye in Water by Visible Light Assisted Photocatalytic Ozonation Using Bi2O3 and Au/Bi2O3 Nanorods	IND ENG CHEM RES	49	9729	2010	0.638			
H. Saijo, Y. Suzuki, M. Shiojiri	Deep UV imaging by spectrometric full-colour cathodoluminescence microscopy	J PHYS CONF SERIES	241	12079	2010	0.000			
G. Fang, G. Chen, X. Wang, J. Liu	Synthesis and luminescence of single crystalline Bi2O3 nanosheets	SCI CHINA TECHNOL SC	54	19	2011	0.130			
A. Iljinas, S. Burinskas, J. Dudonis	Synthesis of Bismuth Oxide Thin Films Deposited by Reactive Magnetron Sputtering	ACTA PHYS POL A	120	60	2011	0.112			
X. Yang, H. Liu, H. Zhao, X. Zhang, X. Liang, W. Xiang	Fabrication and third-order optical nonlinearities of Na 2O-B2O3-SiO2 glasses containing metallic Bi, Bi2O3 and Bi2S3 crystals	MATER CHEM PHYS	129	121	2011	0.628			
X. Liu, H. Cao, J. Yin	Generation and Photocatalytic Activities of Bi@Bi2O3 Microspheres	NANO RES	4	470	2011	2.384			
M. Gökçen, T. Tunç, Ş. Altında, I. Uslu	The effect of PVA (Bi2O3-doped) interfacial layer and series resistance on electrical characteristics of Au/n-Si (110) Schottky barrier diodes (SBDs)	CURR APPL PHYS	12	525	2012	0.502			
N. O. Kalaycioglu, E. Circir	Synthesis, Characterization and Oxide Ionic Conductivity of Binary beta-(Bi(2)O(3))(1-x)(Lu(2)O(3))x System	J CHIN CHEM SOC-TAIP	59	28	2012	0.142			
Y. D. Shen, Y. W. Li, W. M. Li, J. Z. Zhang, Z. G. Hu, J. H. Chu	Growth of Bi2O3 Ultrathin Films by Atomic Layer Deposition	J PHYS CHEM C	116	3449	2012	1.339			
H. Lu, S. Wang, L. Zhao, B. Dong, Z. Xu, J. Li	Surfactant-assisted hydrothermal synthesis of Bi2O3 nano/microstructures with tunable size	RSC ADV	2	3374	2012	0.000			
X. -Y. Yang, W. -D. Xiang, X. -Y. Zhang, H. -T. Liu, H. -J. Zhao, X. -J. Lia	Study on the Third-order Optical Nonlinear Absorption Properties of Bi2O3 Nanocrystals Glass	J INORG MATER	2	317	2012	0.052			
H. Jing, X. Chen, X. Jiang	Controlled synthesis of bismuth oxide microtetrahedrons and cubes by precipitation in alcohol-water systems	MICRO NANO LETT	7	357	2012	0.293			
Sakata, S. Chakraborty, M. Wakaki	Patterning of Bi2O3 films using laser-induced forward and backward transfer techniques	MICROELECTRON ENG	96	56	2012	0.490			
S. Wu, J. Fang, X. Xu, Z. Liu, X. Zhu, W. Xu	Microemulsion Synthesis, Characterization of Highly Visible Light Responsive Rare Earth-Doped Bi2O3	PHOTOCHEM PHOTOBIO	88	1205	2012	0.763			
A. Iljinas, V. Adomonis	Gadolinium and Molybdenum Oxides Deposition Parameters Analysis by Reactive Pulse Magnetron Sputtering	RADIAT INTER MATER USE TECHNOL	2012	141	2012	0.000			
L. Leontie, I. Druta, R. Danac, and G.I. Rusu	On the electronic transport properties of pyrrolo[1,2-a][1,10]phenanthroline derivatives in thin films"	SYNTHETIC MET	155	138	2005	0.519	4	4.00	1.00
U. Akgul, Z. Ergin, M. Sekerci, Y. Atici	AC conductivity and dielectric behavior of [Cd(phen)(2)(SCN)(2)]	VACUUM	82	340	2007	0.392			
Florea Dumitrascu, Mino R. Caira, Constantin Draghici, Miron T. Caproiu	New 1,10-phenanthroline derivatives with potential antitumoral activity	REV ROUM CHIM	53	183	2008	0.065			
D. I. Chai, M. Lautens	Tandem Pd-Catalyzed Double C-C Bond Formation: Effect of Water	J ORG CHEM	74	3054	2009	1.050			
R. Heydari, B. Tahamipour	Highly regioselective synthesis of dicyano-8a,10,11-trihydropyrrolo [1,2-a][1,10]phenanthrolines via a domino-Knoevenagel-cyclization	CHINESE CHEM LETT	22	1281	2011	0.156			
M. M. Elnahass, A. F. El-Deeb, M. A. Kamel, A. A. Atta, S. Y. Huthaily	Space charge limited current conduction in p-N,N-dimethylaminobenzylidenemalononitrile (DBM) thin films	SOLID STATE SCI	14	133	2012	0.539			
S. Ye, J. Liu, J. Wu	Generation of 4-polyfluoroaryl pyrrolo[1,2-a]quinolines via C-H bond activation	CHEM COMMUN	48	5028	2012	1.547			
L. Leontie	Photoconductivity Characteristics of Bismuth Oxide in Thin Films	PHYS LOW DIM STRUCT	2	23	2006	0.000	1	1.00	
R. B. Patil, J. B. Yadav, R. K. Puri, V. Puri	Optical properties and adhesion of air oxidized vacuum evaporated bismuth thin films	J PHYS CHEM SOLIDS	68	665	2007	0.431			
L. Leontie	Optical properties of bismuth oxide thin films prepared by reactive magnetron sputtering	J OPTOELECTRON ADV M	8	1221	2006	0.110	1	1.00	3.00
K. Trentelman	A note on the characterization of bismuth black by Raman microspectroscopy	J RAMAN SPECTROSC	40	585	2009	0.619			
S. Condurache-Bota, G. I. Rusu, N. Tigau, V. Nica, R. Drasovean	Structural and optical analysis of superimposed bismuth and antimony oxides	J OPTOELECTRON ADV M	11	2159	2009	0.110			
N. Pugazhenthiran, P. Sathishkumar, S. Murugesan, S. Anandan	Effective degradation of acid orange 10 by catalytic ozonation in the presence of Au-Bi2O3 nanoparticles	CHEM ENG J	168	1227	2011	0.819			
M. A. Gondal, T. A. Saleh, Q. Drmsh	Optical Properties of Bismuth Oxide Nanoparticles Synthesized by Pulsed Laser Ablation in Liquids	SCI ADV MATER	4	507	2012	0.657			
L. Leontie, G.I. Rusu	On the electronic transport properties of bismuth oxide thin films	J NON-CRYST SOLIDS	352	1475	2006	0.459	2	2.00	2.00

T. P. Gujar, V.R. Shinde, C. D. Lokhande	The influence of oxidation temperature on structural, optical and electrical properties of thermally oxidized bismuth oxide films	APPL SURF SCI	254	4186	2008	0.549			
J. Zhi, Y. Geng, D. Gu	Write-once medium with BiOx thin films for blue laser recording	CHIN OPT LETT	6	294	2008	0.000			
Z. Jiang, Y. Y. Geng, D. H. Gu	Write-once medium with Fe-Doped BiOx thin films for blue laser recording	CHINESE PHYS LETT	25	3288	2008	0.181			
F. Schroder, N. Bagdassarov, F. Ritter, L. Bayarjargal	Temperature dependence of Bi2O3 structural parameters close to the alpha-delta phase transition	PHASE TRANSIT	83	311	2010	0.396			
T. N. Soitah, C. Yang, Y. Yu, Y. Niu, L. Sun	Properties of Bi2O3 thin films prepared via a modified Pechini route	CURR APPL PHYS	10	1372	2010	0.502			
A. P. Rambu, D. Sirbu, M. Dobromir, G. G. Rusu	Electronic transport and optical properties of indium oxide thin films prepared by thermal oxidation	SOLID STATE SCI	14	1543	2012	0.539			
I. Caraman, G.I. Rusu, L. Leontie	Photoelectrical and optical properties of CdMnTe single crystals and thin films	J OPTOELECTRON ADV M	8	107	2006	0.110	3	3.00	0.33
S. A. Gad, M. Boshta, A. M. Abo El-Soud, Y. A. El-Gendy	Effect of the annealing temperature on the structure and optical properties of Cd1-x MnxTe thin films	PHYSICA B	405	4664	2010	0.323			
S. A. Gad, M. Boshta, A. M. Abo El-Soud, Y. A. El-Gendy	Effect of the annealing temperature on the structure and optical properties of Cd1-x MnxTe thin films	INT J PHYS SCI	5	1004	2010	0.000			
R. Brazis, A. Selskis, B. Kuklinski, M. Grinberg	Surface-Fracture-Related Photoluminescence of CdMnTe Crystals	LITH J PHYS	52	24	2012	0.000			
L. Leontie and R. Danac	Optical properties of some newly synthesized organic semiconductors in thin films	SCRIPTA MATER	54	175	2006	1.204	2	2.00	1.00
A. A. M. Farag, A. M. Mansour, A. H. Ammar, M. A. Rafea, A. M. Farid	Electrical conductivity, dielectric properties and optical absorption of organic based nanocrystalline sodium copper chlorophyllin for photodiode application	J ALLOY COMPD	513	404	2012	0.507			
Y. Belhocine, M. Bencharif	DFT and TD-DFT Study of Structure and Properties of Semiconductive Hybrid Networks Formed by Bismuth Halides and Different Polycyclic Aromatic Ligands	E-J CHEM	8	5195	2011	0.000			
N. A. El-Ghamaz, A. Z. El-Sonbati, S. M. Morgan	Optical properties of some synthesized azo thin films	J MOL STRUCT	1027	92	2012	0.320			
I. Caraman, G. I. Rusu, L. Leontie	The photoluminescence of CdTe thin films in SnO2-CdS/CdTe-Ni solar cells thermally treated in CdCl2 solution	J OPTOELECTRON ADV M	9	1546	2007	0.110	3	3.00	0.33
S. Chun, S. Lee, Y. Jung, J. S. Bae, J. Kim, D. Kim	Wet chemical etched CdTe thin film solar cells	CURR APPL PHYS	13	211	2013	0.502			
L. Leontie, I. Druta, B. Furdul, G.I. Rusu	On the mechanism of electrical conduction in some new quaternary salts of bipyridine and indolizine pyridine in thin films	PROG ORG COAT	58	303	2007	0.481	4	4.00	0.75
F. Yakuphanoglu	Electrical conductivity, optical and metal-semiconductor contact properties of organic semiconductor based on MEH-PPV/fullerene blend	J PHYS CHEM SOLIDS	69	949	2008	0.431			
J. C. Brauer, V. K. Thorsmoller, J.-E. Moser	Terahertz Time-Domain Spectroscopy Study of the Conductivity of Hole-Transporting Materials	CHIMIA	63	189	2009	0.400			
R. Papadakis, I. Deligkiozi, A. Tsolomitis	Spectroscopic investigation of the solvatochromic behavior of a new synthesized non symmetric viologen dye: Study of the solvent-solute interactions	ANAL BIOANAL CHEM	397	2253	2010	0.967			
Marius Prelipceanu, Otilia-Sanda Prelipceanu, Ovidiu-Gelu Tudose, L	Study of thermal conversion and patterning of a new soluble poly(p-phenylenevinylene) (PPV) precursor	MAT SCI SEMICON PROC	10	77	2007	0.318	6	5.33	0.75
E. Kim	Emissive pattern formation by the photoreaction of poly(p-phenylene vinylene)	CURR APPL PHYS	9	1088	2009	0.502			
M. Muroyama, W. Saito, S. Yokokura, K. Tanaka, H. Usui	Maskless Patterning of Vapor-Deposited Photosensitive Film and its Application to Organic Light-Emitting Diodes	JPN J APPL PHYS	50	04DK07	2011	0.329			
L. A. Al-Hariri, J. B. Schlenoff	Macro-counterions in a precursor to poly(phenylene vinylene): Toward defect-free luminescent films	POLYMER	51	2993	2010	1.013			
B. Tahamipour, R. Heydari, N. A. Torbati, M. Ziyaadini, C. Graiff	Diastereoselective synthesis and X-ray structure of new stable dicyano (8aRS, 10SR, 11SR)-9,9-dicyano-10-aryl-11-benzoyl-8a, 9,10,11-tetrahydropyrrolo[1,2-a][1,10]phenanthrolines	J CHEM RES	6	329	2011	0.103			
R. Heydari, B. Tahamipour	Highly regioselective synthesis of dicyano-8a,10,11-trihydropyrrolo [1,2-a][1,10]phenanthrolines via a domino-Knoevenagel-cyclization	CHINESE CHEM LETT	22	1281	2011	0.156			
L. A. Al-Hariri, L. Zheng, W Yang, J. B. Schlenoff	Thermal Elimination of Precursors to Poly(phenylenevinylene) with a Macrocounterion versus a Small Counterion: A Coordinated Experimental and Simulation Study	MACROMOLECULES	44	6663	2011	1.238			
A. Supangat, X. J. Zhou, W. Belcher, P. Dastoor	Chemical vapour deposition of poly(p-phenylenevinylene) nanofilms for use in organic photovoltaics	MATER RES INNOV	15	18	2011	0.181			
M. Prelipceanu, O. S. Prelipceanu, L. Leontie and R. Danac	Photoelectron spectroscopy investigations of pyrrolo[1,2-a][1,10]phenanthroline derivatives	PHYS LETT A	368	331	2007	0.644	4	4.00	0.00
B. Tahamipour, R. Heydari, N. A. Torbati, M. Ziyaadini, C. Graiff	Diastereoselective synthesis and X-ray structure of new stable dicyano (8aRS, 10SR, 11SR)-9,9-dicyano-10-aryl-11-benzoyl-8a, 9,10,11-tetrahydropyrrolo[1,2-a][1,10]phenanthrolines	J CHEM RES	6	329	2011	0.103			

