Devanesan Mangalaraj

List of Publications by Year
in descending order

288 papers	9,840 citations	31902 53 h-index	62479 80 g-index
294 all docs	294 docs citations	294 times ranked	11856 citing authors

#	Article	IF	Citations
1	Highly effective and stable MWCNT/WO3 nanocatalyst for ammonia gas sensing, photodegradation of ciprofloxacin and peroxidase mimic activity. Chemosphere, 2022, 297, 134023.	4.2	10
2	Facile development and structural investigations of HAp and HAp/Ta nanostructures: Photocatalytic activity against Turq blue GL dye. Materials Research Express, 2020, 7, 015012.	0.8	7
3	Design of CuO/SnO2 heterojunction photocatalyst with enhanced UV light-driven photocatalytic activity on congo-red and malachite green dyes. Journal of the Iranian Chemical Society, 2019, 16, 1291-1300.	1.2	17
4	Porous reduced graphene oxide (rGO)/WO₃ nanocomposites for the enhanced detection of NH₃ at room temperature. Nanoscale Advances, 2019, 1, 1799-1811.	2.2	136
5	Toxic influence of pristine and surfactant modified halloysite nanotubes on phytopathogenic bacteria. Applied Clay Science, 2019, 174, 57-68.	2.6	25
6	Ammonia sensing at ambient temperature using tungsten oxide (WO3) nanoparticles. Materials Today: Proceedings, 2019, 18, 1602-1609.	0.9	14
7	Self-Assembly of Nanostructured Hydroxyapatite Spheres for Photodegradation of Methylene Blue Dye. Materials Today: Proceedings, 2019, 18, 1729-1734.	0.9	8
8	Effect of Surfactant modified Halloysite nanotube on growth and biofilm formation of gram positive bacteria. Materials Today: Proceedings, 2019, 18, 1709-1715.	0.9	3
9	Tungsten oxide-graphene oxide (WO3-GO) nanocomposite as an efficient photocatalyst, antibacterial and anticancer agent. Journal of Physics and Chemistry of Solids, 2018, 116, 137-147.	1.9	119
10	Surfactant-free solvothermal synthesis of Hydroxyapatite nested bundles for the effective photodegradation of cationic dyes. Journal of Physics and Chemistry of Solids, 2018, 116, 180-186.	1.9	15
11	Fabrication of highly flexible conducting electrode based on MnS nanoparticles/graphite/scotch tape for supercapacitor applications. Journal of Materials Science: Materials in Electronics, 2018, 29, 1636-1642.	1.1	13
12	Cytotoxic consequences of Halloysite nanotube/iron oxide nanocomposite and iron oxide nanoparticles upon interaction with bacterial, non-cancerous and cancerous cells. Colloids and Surfaces B: Biointerfaces, 2018, 169, 395-403.	2.5	35
13	Semitransparent TiO₂ nanotube arrays with both ends open by electrochemical anodization and ion-beam etching process. Materials Research Express, 2018, 5, 095021.	0.8	0
14	Electrodeposition of WO 3 nanostructured thin films for electrochromic and H 2 S gas sensor applications. Journal of Alloys and Compounds, 2017, 719, 71-81.	2.8	145
15	Synthesis, Characterization and Electrochemical Sensing of Tb2O3 Nanotubes. Journal of Electronic Materials, 2017, 46, 1072-1078.	1.0	5
16	Synthesis of hierarchical CuO nanostructures: Biocompatible antibacterial agents for Gram-positive and Gram-negative bacteria. Current Applied Physics, 2016, 16, 914-921.	1.1	37
17	One step â€˜dipâ€™ and â€˜useâ€™ Ag nanostructured thin films for ultrahigh sensitive SERS Detection. Materials Science and Engineering C, 2016, 68, 831-836.	3.8	5
18	Analysis on superhydrophobic silver decorated copper Oxide nanostructured thin films for SERS studies. Journal of Colloid and Interface Science, 2016, 477, 209-219.	5.0	52

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19	Electrochemical Simultaneous Detection of Dopamine, Ascorbic Acid and Uric Acid Using LaMnO₃Nanostructures. Journal of the Electrochemical Society, 2016, 163, B460-B465.	1.3	26
20	Catalyst free vaporâ€“solid deposition of morphologically different Î²-Ga₂O₃ nanostructure thin films for selective CO gas sensors at low temperature. Analytical Methods, 2016, 8, 3224-3235.	1.3	27
21	Superhydrophobic and H₂S gas sensing properties of CuO nanostructured thin films through a successive ionic layered adsorption reaction process. RSC Advances, 2016, 6, 24290-24298.	1.7	32
22	Novel multiform morphologies of hydroxyapatite: Synthesis and growth mechanism. Applied Surface Science, 2016, 361, 25-32.	3.1	32
23	Isothermal grain growth and effect of grain size on piezoelectric constant of Na0.5Bi0.5TiO3 ceramics. Scripta Materialia, 2016, 112, 58-61.	2.6	24
24	A novel silica nanotube reinforced ionic incorporated hydroxyapatite composite coating on polypyrrole coated 316L SS for implant application. Materials Science and Engineering C, 2016, 59, 1110-1124.	3.8	50
25	Influence of Growth Parameters on the Formation of Hydroxyapatite (HAp) Nanostructures and Their Cell Viability Studies. Nanobiomedicine, 2015, 2, 2.	4.4	46
26	Electrowetting properties of atomic layer deposited Al2O3 decorated silicon nanowires. AIP Conference Proceedings, 2015, , .	0.3	0
27	Synthesis of Coâ€doped CeO₂ nanorods modified glassy carbon electrode for electrochemical detection of nitrobenzene. Crystal Research and Technology, 2015, 50, 532-537.	0.6	7
28	Coreâ€“shell hydroxyapatite/Mg nanostructures: surfactant free facile synthesis, characterization and their in vitro cell viability studies against leukaemia cancer cells (K562). RSC Advances, 2015, 5, 48705-48711.	1.7	52
29	Synthesis and characterization of Î±-Fe2O3 Micro-/Nanorods-modified glassy carbon electrode for electrochemical sensing of nitrobenzene. Ceramics International, 2015, 41, 5568-5573.	2.3	31
30	Hydrothermal synthesis of highly stable CuO nanostructures for efficient photocatalytic degradation of organic dyes. Materials Science in Semiconductor Processing, 2015, 30, 585-591.	1.9	95
31	Biomimetic hierarchical growth and self-assembly of hydroxyapatite/titania nanocomposite coatings and their biomedical applications. Applied Surface Science, 2015, 332, 368-378.	3.1	13
32	Photocatalytic degradation of acid orange 7 using Cr-doped CeO2 nanorods. Journal of Materials Science: Materials in Electronics, 2015, 26, 1441-1448.	1.1	8
33	Hydrothermal synthesis of novel Zn doped CuO nanoflowers as an efficient photodegradation material for textile dyes. Materials Letters, 2015, 144, 127-130.	1.3	56
34	Enhanced photocatalytic property of self-assembled Fe-doped CeO2 hierarchical nanostructures. Materials Letters, 2015, 145, 189-192.	1.3	35
35	Edge-carboxylated graphene anchoring magnetite-hydroxyapatite nanocomposite for an efficient 4-nitrophenol sensor. RSC Advances, 2015, 5, 13392-13401.	1.7	50
36	Fabrication of CeO₂/Fe₂O₃ composite nanospindles for enhanced visible light driven photocatalysts and supercapacitor electrodes. Journal of Materials Chemistry A, 2015, 3, 15248-15258.	5.2	189

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37	Structural and chemical analysis of silica-doped Î²-TCP ceramic coatings on surgical grade 316L SS for possible biomedical application. Journal of Asian Ceramic Societies, 2015, 3, 317-324.	1.0	26
38	Controlled electrophoretic deposition of HAp/Î²-TCP composite coatings on piranha treated 316L SS for enhanced mechanical and biological properties. Applied Surface Science, 2015, 353, 189-199.	3.1	27
39	Superhydrophobic Ag decorated ZnO nanostructured thin film as effective surface enhanced Raman scattering substrates. Applied Surface Science, 2015, 355, 969-977.	3.1	31
40	Solvent-free mechanochemical synthesis of graphene oxide and Fe₃O₄â€“reduced graphene oxide nanocomposites for sensitive detection of nitrite. Journal of Materials Chemistry A, 2015, 3, 15529-15539.	5.2	163
41	Highly monodispersed Ag embedded SiO₂nanostructured thin film for sensitive SERS substrate: growth, characterization and detection of dye molecules. RSC Advances, 2015, 5, 46229-46239.	1.7	21
42	Gold nanoparticle immobilization on ZnO nanorods via bi-functional monolayers: A facile method to tune interface properties. Surface Science, 2015, 641, 23-29.	0.8	17
43	Photocatalytic degradation mechanisms of CeO2/Tb2O3 nanotubes. Applied Surface Science, 2015, 349, 459-464.	3.1	31
44	Macroparticles Reduction Using Filter Free Cathodic Vacuum Arc Deposition Method in ZnO Thin Films. Journal of Nanoscience and Nanotechnology, 2015, 15, 2523-2530.	0.9	4
45	Synthesis of hierarchical WO₃ nanostructured thin films with enhanced electrochromic performance for switchable smart windows. RSC Advances, 2015, 5, 96416-96427.	1.7	54
46	Facile hydrothermal synthesis of CeO2 nanopebbles. Bulletin of Materials Science, 2015, 38, 1135-1139.	0.8	14
47	Structure and electrochemical detection of xenobiotic micro-pollutant hydroquinone using CeO₂ nanocrystals. RSC Advances, 2015, 5, 70558-70565.	1.7	11
48	Photocatalytic degradation of organic pollutants by shape selective synthesis of Î²-Ga₂O₃ microspheres constituted by nanospheres for environmental remediation. Journal of Materials Chemistry A, 2015, 3, 2617-2627.	5.2	64
49	Improved microbial growth inhibition activity of bio-surfactant induced Agâ€“TiO2 core shell nanoparticles. Applied Surface Science, 2015, 327, 504-516.	3.1	14
50	Enzymatic electrochemical glucose biosensors by mesoporous 1D hydroxyapatite-on-2D reduced graphene oxide. Journal of Materials Chemistry B, 2015, 3, 1360-1370.	2.9	148
51	Biomimetic Ion Substituted Hydroxyapatite Coating On Surgical Grade 316L SS For Implant Applications. Advanced Materials Letters, 2015, 6, 984-989.	0.3	3
52	Formulation Of SnO2/graphene Nanocomposite Modified Electrode For Synergitic Electrochemcial Detection Of Dopamine. Advanced Materials Letters, 2015, 6, 973-977.	0.3	14
53	Hydrophilic polymer coated monodispersed Fe₃O₄nanostructures and their cytotoxicity. Materials Research Express, 2014, 1, 015015.	0.8	19
54	Electrochemical performance of SnO2 hexagonal nanoplates. Ionics, 2014, 20, 335-346.	1.2	7

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55	An in vitro analysis of H1N1 viral inhibition using polymer coated superparamagnetic Fe3O4 nanoparticles. RSC Advances, 2014, 4, 13409.	1.7	37
56	Solvothermal synthesis of threeâ€dimensional CeO₂ micropillows and their photocatalytic property. Physica Status Solidi - Rapid Research Letters, 2014, 8, 643-647.	1.2	3
57	Enhanced luminescence and charge separation in polythiophene-grafted, gold nanoparticle-decorated, 1-D ZnO nanorods. RSC Advances, 2014, 4, 11288.	1.7	15
58	Biologically improved nanofibrous scaffolds for cardiac tissue engineering. Materials Science and Engineering C, 2014, 44, 268-277.	3.8	71
59	Quercetin conjugated superparamagnetic magnetite nanoparticles for in-vitro analysis of breast cancer cell lines for chemotherapy applications. Journal of Colloid and Interface Science, 2014, 436, 234-242.	5.0	102
60	Facile in situ growth of Fe₃O₄ nanoparticles on hydroxyapatite nanorods for pH dependent adsorption and controlled release of proteins. RSC Advances, 2014, 4, 50510-50520.	1.7	34
61	Shape evolution and size controlled synthesis of mesoporous hydroxyapatite nanostructures and their morphology dependent Pb(<scp>ii</scp>) removal from waste water. RSC Advances, 2014, 4, 37446-37457.	1.7	54
62	Effect of NaOH concentration on structural, surface and antibacterial activity of CuO nanorods synthesized by direct sonochemical method. Superlattices and Microstructures, 2014, 66, 1-9.	1.4	57
63	Diatom-Based Label-Free Optical Biosensor for Biomolecules. Applied Biochemistry and Biotechnology, 2014, 174, 1166-1173.	1.4	33
64	Electrochemical behavior of nanostructured SnO2 thin films in aqueous electrolyte solutions. Materials Science in Semiconductor Processing, 2014, 26, 55-61.	1.9	17
65	Rheological behavior and electrical properties of polypyrrole/thermally reduced graphene oxide nanocomposite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2014, 441, 614-622.	2.3	37
66	Rheological behavior â€•Electrical and thermal properties of polypyrrole/graphene oxide nanocomposites. Journal of Applied Polymer Science, 2014, 131, .	1.3	20
67	Morphology controllable synthesis of parallely arranged single-crystalline Î² -Ga 2 O 3 nanorods for photocatalytic and antimicrobial activities. Chemical Engineering Journal, 2014, 236, 181-190.	6.6	48
68	Influence of processing method on the properties of hydroxyapatite nanoparticles in the presence of different citrate ion concentrations. Advanced Powder Technology, 2014, 25, 551-559.	2.0	8
69	Cobalt-doped cerium oxide nanoparticles: Enhanced photocatalytic activity under UV and visible light irradiation. Materials Science in Semiconductor Processing, 2014, 26, 218-224.	1.9	98
70	Effect Of Catalyst Concentration On The Synthesis Of MWCNT By Single Step Pyrolysis. Advanced Materials Letters, 2014, 5, 543-548.	0.3	4
71	Solvothermal synthesis of hierarchically porous CeO2 nanopalm leaves and their photocatalytic properties. Journal of Sol-Gel Science and Technology, 2013, 66, 15-21.	1.1	12
72	Electrophoretic bilayer deposition of zirconia and reinforced bioglass system on Ti6Al4V for implant applications: An in vitro investigation. Materials Science and Engineering C, 2013, 33, 4160-4166.	3.8	51

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73	Synthesis of CeO2 nanorods with improved photocatalytic activity: comparison between precipitation and hydrothermal process. Journal of Materials Science: Materials in Electronics, 2013, 24, 1644-1650.	1.1	21
74	Surfactant free solvothermal synthesis of monodispersed 3D hierarchical Fe3O4 microspheres. Materials Letters, 2013, 110, 98-101.	1.3	15
75	Conducting polyaniline-graphene oxide fibrous nanocomposites: preparation, characterization and simultaneous electrochemical detection of ascorbic acid, dopamine and uric acid. RSC Advances, 2013, 3, 14428.	1.7	130
76	Raman spectroscopic and ab initio studies on the molecular interactions in the binary liquid mixtures of 4â€²-fluoroacetophenone. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 381-388.	2.0	1
77	Photocatalytic degradation mechanisms of self-assembled rose-flower-like CeO2 hierarchical nanostructures. Applied Physics Letters, 2013, 102, .	1.5	25
78	Influence of growth and photocatalytic properties of copper selenide (CuSe) nanoparticles using reflux condensation method. Applied Surface Science, 2013, 283, 802-807.	3.1	47
79	Optical and electrochemical studies of polyaniline/SnO2 fibrous nanocomposites. Materials Research Bulletin, 2013, 48, 640-645.	2.7	46
80	Novel Synthesis of LaFeO₃ Nanostructure Dendrites: A Systematic Investigation of Growth Mechanism, Properties, and Biosensing for Highly Selective Determination of Neurotransmitter Compounds. Crystal Growth and Design, 2013, 13, 291-302.	1.4	115
81	Shape evolution of perovskite LaFeO3 nanostructures: a systematic investigation of growth mechanism, properties and morphology dependent photocatalytic activities. RSC Advances, 2013, 3, 7549.	1.7	206
82	Enhanced photocatalytic performance of novel self-assembled floral Î²-Ga2O3 nanorods. Current Applied Physics, 2013, 13, 652-658.	1.1	41
83	Compositional, microstructural, and vibrational characteristics of synthesized V2O5 microspheres with nanorod formation. Journal of Physics and Chemistry of Solids, 2013, 74, 897-901.	1.9	14
84	Superhydrophobic and antireflecting behavior of densely packed and size controlled ZnO nanorods. Journal of Alloys and Compounds, 2013, 553, 375-382.	2.8	26
85	Effect of annealing and electrochemical properties of solâ€“gel dip coated nanocrystalline V2O5 thin films. Materials Science in Semiconductor Processing, 2013, 16, 256-262.	1.9	53
86	Organic additives assisted synthesis of mesoporous Î²-Ga₂O₃ nanostructures for photocatalytic dye degradation. Semiconductor Science and Technology, 2013, 28, 035015.	1.0	29
87	Synthesis, morphology, optical and photocatalytic performance of nanostructured Î²-Ga2O3. Materials Research Bulletin, 2013, 48, 2296-2303.	2.7	44
88	Influence of fluorine substitution on the morphology and structure ofÂhydroxyapatite nanocrystals prepared by hydrothermal method. Materials Chemistry and Physics, 2013, 137, 967-976.	2.0	48
89	Graphene nanosheets by low-temperature thermal reduction of graphene oxide using RF-CVD. Journal of Experimental Nanoscience, 2013, 8, 311-319.	1.3	9
90	Electrodeposition of Sno[sub 2] nanoneedles on anodized copper substrates and its electrochemical performance. , 2013, , .		2

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91	Sensitivity Studies on Vacuum Deposited V₂O₅ Thin Films. Advanced Materials Research, 2013, 678, 42-45.	0.3	1
92	Microstructural, nanomechanical and antibacterial properties of magnetron sputtered nanocomposite thin films of CrN/Cu. Surface Engineering, 2012, 28, 134-140.	1.1	16
93	Electrodeposition of V2O5 nanorods on current collector substrate. , 2012, , .		0
94	Development of a CrN/Cu nanocomposite coating on titanium-modified stainless steel for antibacterial activity against Pseudomonas aeruginosa. Biofouling, 2012, 28, 779-787.	0.8	9
95	Enhanced photocatalytic activity of cobalt-doped CeO2 nanorods. Journal of Sol-Gel Science and Technology, 2012, 64, 515-523.	1.1	63
96	Synthesis and gas sensors behavior of surfactants free V2O5 nanostructure by using a simple precipitation method. Physica E: Low-Dimensional Systems and Nanostructures, 2012, 44, 1490-1494.	1.3	40
97	Biodegradability study and pH influence on growth and orientation of ZnO nanorods via aqueous solution process. Applied Surface Science, 2012, 258, 6765-6771.	3.1	54
98	Magnetic properties of Cr doped ZnTe alloy powder. Materials Letters, 2012, 87, 113-116.	1.3	23
99	Controlled synthesis of perovskite LaFeO3 microsphere composed of nanoparticles via self-assembly process and their associated photocatalytic activity. Chemical Engineering Journal, 2012, 209, 420-428.	6.6	172
100	Template-Free Growth of Novel Hydroxyapatite Nanorings: Formation Mechanism and Their Enhanced Functional Properties. Crystal Growth and Design, 2012, 12, 3565-3574.	1.4	44
101	Reactive biased target ion beam deposited Wâ€“DLC nanocomposite thin films â€” Microstructure and its mechanical properties. Diamond and Related Materials, 2012, 23, 34-43.	1.8	21
102	Synthesis of indium oxide cubic crystals by modified hydrothermal route for application in room temperature flexible ethanol sensors. Materials Chemistry and Physics, 2012, 133, 47-54.	2.0	33
103	Growth specificity of vertical ZnO nanorods on patterned seeded substrates through integrated chemical process. Materials Chemistry and Physics, 2012, 133, 126-134.	2.0	10
104	Novel synthesis of silver nanoparticles using 2,3,5,6-tetrakis-(morpholinomethyl) hydroquinone as reducing agent. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 305-309.	2.0	8
105	Multifunctional properties of hydroxyapatite/titania bio-nano-composites: bioactivity and antimicrobial studies. Powder Technology, 2012, 228, 410-415.	2.1	39
106	Nano-porous indium oxide transistor sensor for the detection of ethanol vapours at room temperature. Applied Physics A: Materials Science and Processing, 2012, 106, 137-143.	1.1	13
107	Sn Doped In2O3 Nanostructures on Glass Substrates: A New Approach Towards Room Temperature Gas Sensor. Sensor Letters, 2012, 10, 55-59.	0.4	3
108	Gas Sensing Behavior of High Surface Area Co₃O₄ Micro/Nano Structures Synthesized by Simple Sonication Process. Sensor Letters, 2012, 10, 826-832.	0.4	12

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109	Systematic synthesis and analysis of change in morphology, electronic structure and photoluminescence properties of pyrazine intercalated MoO3 hybrid nanostructures. CrystEngComm, 2011, 13, 2358.	1.3	56
110	Ferromagnetism in ZnTe:Cr film grown on Si(100). Journal of Alloys and Compounds, 2011, 509, 80-86.	2.8	9
111	Synthesis and high temperature XRD studies of tantalum nitride thin films prepared by reactive pulsed dc magnetron sputtering. Journal of Alloys and Compounds, 2011, 509, 6400-6407.	2.8	33
112	Optoelectronic Properties of ZnSe, ITO, TiO2 and ZnO Thin Films. , 2011, , .		5
113	Synthesis and in-depth analysis of highly ordered yttrium doped hydroxyapatite nanorods prepared by hydrothermal method and its mechanical analysis. Materials Characterization, 2011, 62, 1109-1115.	1.9	39
114	Strong quantum confinement effect in nanocrystalline cerium oxide. Materials Letters, 2011, 65, 2635-2638.	1.3	51
115	Self assembly of Co doped CeO2 microspheres from nanocubes by hydrothermal method and their photodegradation activity on AO7. Materials Letters, 2011, 65, 3320-3322.	1.3	26
116	Enhanced super-hydrophobic and switching behavior of ZnO nanostructured surfaces prepared by simple solution â€“ Immersion successive ionic layer adsorption and reaction process. Journal of Colloid and Interface Science, 2011, 363, 51-58.	5.0	76
117	Large scale synthesis of hydroxyapatite nanospheres by high gravity method. Chemical Engineering Journal, 2011, 173, 846-854.	6.6	55
118	Enhanced mechanical strength of hydroxyapatite nanorods reinforced with polyethylene. Journal of Nanoparticle Research, 2011, 13, 1841-1853.	0.8	59
119	On the optical and thermal properties of in situ/ex situ reduced Ag NPâ€™s/PVA composites and its role as a simple SPR-based protein sensor. Applied Nanoscience (Switzerland), 2011, 1, 87-96.	1.6	87
120	Synthesis, growth and characterization of bisthiourea zinc bromide for optical limiting applications. Current Applied Physics, 2011, 11, 838-843.	1.1	70
121	Growth of hierarchical based ZnO micro/nanostructured films and their tunable wettability behavior. Applied Surface Science, 2011, 257, 6678-6686.	3.1	50
122	Preparation of New Reducing Agent for the Synthesis of Silver Nanoparticles. , 2011, , .		2
123	INFLUENCE OF TUNGSTEN CONTENT IN W-DLC NANOCOMPOSITE THIN FILMS PREPARED BY HYBRID TARGET BIASED ION BEAM ASSISTED DEPOSITION TECHNIQUE. International Journal of Nanoscience, 2011, 10, 851-855.	0.4	2
124	Structural, Compositional and Magnetic Studies on Zn_{1â^'<I>x</I>}Cr_{<I>x</I>} Te (<I>x</I> = 0.05, 0.15) Films Grown on GaAs (100) Substrates. Science of Advanced Materials, 2011, 3, 80-88.	0.1	2
125	Controlled growth and investigations on the morphology and mechanical properties of hydroxyapatite/titania nanocomposite thin films. Composites Science and Technology, 2010, 70, 1645-1651.	3.8	40
126	Nanostructured CrN thin films prepared by reactive pulsed DC magnetron sputtering. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 167, 17-25.	1.7	53

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127	Hydrophobic ZnO nanostructured thin films on glass substrate by simple successive ionic layer absorption and reaction (SILAR) method. Thin Solid Films, 2010, 518, e183-e186.	0.8	24
128	Reducing gas response kinetics of nanostructured indium oxide thin films. Thin Solid Films, 2010, 518, e125-e128.	0.8	5
129	Nanostructured leaf like hydroxyapatite/TiO2 composite coatings by simple solâ€“gel method. Thin Solid Films, 2010, 518, 7333-7338.	0.8	15
130	Effect of nickel incorporation on structural, nanomechanical and biocompatible properties of amorphous hydrogenated carbon thin films prepared by low energy biased target ion beam deposition. Thin Solid Films, 2010, 519, 1623-1628.	0.8	14
131	Structure and temperature dependence of conduction mechanisms in hot wall deposited CuInSe2 thin films and effect of back contact layer in CuInSe2 based solar cells. Vacuum, 2010, 84, 1220-1225.	1.6	22
132	Effect of titanium incorporation on the structural, mechanical and biocompatible properties of DLC thin films prepared by reactive-biased target ion beam deposition method. Applied Surface Science, 2010, 257, 143-150.	3.1	53
133	Mechanical and photocatalytic properties of hydroxyapatite/titania nanocomposites prepared by combined high gravity and hydrothermal process. Composites Science and Technology, 2010, 70, 419-426.	3.8	48
134	Self assembled V2O5 nanorods for gas sensors. Current Applied Physics, 2010, 10, 531-537.	1.1	198
135	Ferromagnetism in Zn1â^'Cr Te (x= 0.05, 0.15) films grown on GaAs(1 0 0) substrate. Current Applied Physics, 2010, 10, 771-775.	1.1	3
136	Morphological Variations of Hydroxyapatite Nanostructures by Different Synthesis Methods. Advanced Materials Research, 2010, 123-125, 335-338.	0.3	0
137	Microstructure Analysis of TaN/Cu Nanocomposite Coatings Deposited by Pulsed DC Magnetron Sputtering. Advanced Materials Research, 2010, 123-125, 427-430.	0.3	0
138	Gas Sensing Properties of Chemically Synthesized V₂O₅ Thin Films. Advanced Materials Research, 2010, 123-125, 683-686.	0.3	10
139	Room Temperature Growth of Cerium-Iron Oxide Nanorods. Advanced Materials Research, 2010, 123-125, 205-208.	0.3	0
140	IMPROVED MECHANICAL PROPERTY OF HYDROTHERMALLY SYNTHESIZED HYDROXYAPATITE NANORODS REINFORCED WITH POLYETHYLENE. International Journal of Modern Physics B, 2010, 24, 215-223.	1.0	2
141	Synthesis and Controlled Growth of ZnO Nanorods Based Hybrid Device Structure by Aqueous Chemical Method. Advanced Materials Research, 2010, 123-125, 779-782.	0.3	4
142	Highly mesoporous Î±-Fe2O3nanostructures: preparation, characterization and improved photocatalytic performance towards Rhodamine B (RhB). Journal Physics D: Applied Physics, 2010, 43, 015501.	1.3	67
143	Hydrothermal synthesis and electronic properties of FeWO4 and CoWO4 nanostructures. Journal of Alloys and Compounds, 2010, 493, 340-345.	2.8	137
144	Electronic structure of FeWO4 and CoWO4 tungstates: First-principles FP-LAPW calculations and X-ray spectroscopy studies. Journal of Alloys and Compounds, 2010, 496, 61-68.	2.8	65

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145	Controlled growth of single-crystalline, nanostructured dendrites and snowflakes of Î±-Fe₂O₃: influence of the surfactant on the morphology and investigation of morphology dependent magnetic properties. CrystEngComm, 2010, 12, 373-382.	1.3	81
146	Preparation and Nanomechanical Characterisation of Metal Containing Amorphous Hydrogenated Carbon Nanocomposite Films. Advanced Materials Research, 2010, 123-125, 431-434.	0.3	0
147	Synthesis of Vertical ZnO Nanorods on Glass Substrates by Simple Chemical Method. Journal of Nano Research, 2009, 5, 223-230.	0.8	10
148	Optical investigations on indium oxide nano-particles prepared through precipitation method. Materials Characterization, 2009, 60, 1578-1582.	1.9	30
149	Magnetic studies on ZnTe:Cr film grown on glass substrate by thermal evaporation method. Applied Surface Science, 2009, 255, 7517-7523.	3.1	15
150	Importance of hydrogen bonding for second harmonic generation effect: X-ray diffraction and DFT study on S-benzyl isothiouronium chloride. Journal of Physics and Chemistry of Solids, 2009, 70, 322-325.	1.9	3
151	Vickers Microhardness Study of Nonlinear Optical Single Crystals of Doped and Undoped S-Benzyl Isothiouronium Chloride. Journal of Materials Engineering and Performance, 2009, 18, 106-108.	1.2	2
152	Controlled Growth of WO3Nanostructures with Three Different Morphologies and Their Structural, Optical, and Photodecomposition Studies. Nanoscale Research Letters, 2009, 4, 1335-42.	3.1	219
153	Magnetic and magneto-optical studies on Zn1â^'xCrxTe (x=0.05) films grown on glass substrate. Journal of Magnetism and Magnetic Materials, 2009, 321, 4108-4114.	1.0	10
154	Observation of room temperature ferromagnetism in ZnTe:Cr films grown onto glass substrate by thermal evaporation method. Journal of Physics: Conference Series, 2009, 153, 012048.	0.3	5
155	A Study on the Influence of Copper Content in CrN/Cu Nanocomposite Thin Films Prepared by Pulsed DC Magnetron Sputtering. Journal of Nanoscience and Nanotechnology, 2009, 9, 5436-5440.	0.9	12
156	Texturing of large area multi-crystalline silicon wafers through different chemical approaches for solar cell fabrication. Solar Energy Materials and Solar Cells, 2008, 92, 960-968.	3.0	72
157	Growth and characterization of ZnO nanostructured thin films by a two step chemical method. Applied Surface Science, 2008, 255, 2382-2387.	3.1	69
158	Effect of Thermal Annealing on Structure, Optical and Electrical Properties of Hot Wall Deposited CuInSe[sub 2] Polycrystalline Thin Films. AIP Conference Proceedings, 2008, , .	0.3	0
159	Structure and Electrical Characteristics of Hot Wall Deposited CuInSe[sub 2] Thin Films and Study on Back Contact Layers in CuInSe[sub 2] Based Solar Cells. AIP Conference Proceedings, 2008, , .	0.3	0
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