

Pramod Patil

List of Publications by Year in descending order

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246
papers

8,987
citations

36303

51
h-index

62596

80
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251
all docs

251
docs citations

251
times ranked

10474
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrospun deposited Mn ₂ O ₃ /GO nanofiber composite electrode for hybrid coin cell supercapacitor devices. Journal of Materials Science: Materials in Electronics, 2022, 33, 8844-8857.	2.2	1
2	Nanostructured materials for electrochromic energy storage systems. Journal of Materials Chemistry A, 2022, 10, 1179-1226.	10.3	25
3	Indium doped ZnO nanorods for chemiresistive NO ₂ gas sensors. New Journal of Chemistry, 2022, 46, 7588-7597.	2.8	15
4	Nanoarchitectonics of hierarchical PbS material for all-solid-state asymmetric supercapacitor. Journal of Materials Science: Materials in Electronics, 2022, 33, 10368-10378.	2.2	9
5	Terbium Doped and Dual Passivated CsPb(I _{1-x} Br _x) ₃ Inorganic Perovskite Solar Cells with Improved Air Thermal Stability and High Efficiency. Advanced Materials, 2022, 34, e2203204.	21.0	27
6	Recent advances in metal pyrophosphates for electrochemical supercapacitors: A review. Journal of Energy Storage, 2022, 52, 104986.	8.1	17
7	Synthesis of CuO thin film sensors by spray pyrolysis method for NO ₂ gas detection. Materials Today: Proceedings, 2021, 43, 2694-2697.	1.8	16
8	A new method for single step sonosynthesis and incorporation of ZnO nanoparticles in cotton fabrics for imparting antimicrobial property. Chemical Papers, 2021, 75, 1247-1257.	2.2	16
9	Study of solvent variation on controlled synthesis of different nanostructured NiCo ₂ O ₄ thin films for supercapacitive application. Journal of Colloid and Interface Science, 2021, 588, 589-601.	9.4	36
10	Sol-gel prepared vanadium oxide for photocatalytic degradation of Methylene Blue dye. Materials Today: Proceedings, 2021, 43, 2673-2677.	1.8	8
11	Hydrothermal synthesis of NO ₂ gas-sensitive and hydrophobic zinc oxide thin films. Journal of Materials Science: Materials in Electronics, 2021, 32, 3140-3154.	2.2	7
12	APTES monolayer coverage on self-assembled magnetic nanospheres for controlled release of anticancer drug Nintedanib. Scientific Reports, 2021, 11, 5674.	3.3	53
13	A Brief Overview of Antimicrobial Nanotextiles Prepared by In Situ Synthesis and Deposition of Silver Nanoparticles on Cotton. Nanobiotechnology Reports, 2021, 16, 543-550.	0.6	8
14	Bio-mimetic synthesis of catalytically active nano-silver using Bos taurus (A-2) urine. Scientific Reports, 2021, 11, 16934.	3.3	18
15	Synthesis of Maghemite nanoparticles for highly sensitive and selective NO ₂ sensing. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 272, 115339.	3.5	10
16	Size Dependent Chemical Synthesis of Defective In ₂ O ₃ Microcubes as NO ₂ Sensor. Macromolecular Symposia, 2021, 400, .	0.7	2
17	Characterization and Gas Sensing Properties of Spin Coated WO ₃ Thin Films. Zeitschrift Fur Physikalische Chemie, 2020, 234, 1819-1834.	2.8	10
18	In ₂ O ₃ nanocapsules for rapid photodegradation of crystal violet dye under sunlight. Journal of Colloid and Interface Science, 2020, 561, 287-297.	9.4	47

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19	Single step green process for the preparation of antimicrobial nanotextiles by wet chemical and sonochemical methods. <i>Journal of the Textile Institute</i> , 2020, 111, 1380-1388.	1.9	14
20	Facile Synthesis of Nanofibrous Polyaniline Thin Films for Ammonia Gas Detection. <i>Journal of Electronic Materials</i> , 2020, 49, 1338-1347.	2.2	12
21	Effect of Concentration on the Charge Storage Kinetics of Nanostructured MnO ₂ Thin-Film Supercapacitors Synthesized by the Hydrothermal Method. <i>Energies</i> , 2020, 13, 6124.	3.1	40
22	Studies on interstitial carbon doping from a Ti precursor in a hierarchical TiO ₂ nanostructured photoanode by a single step hydrothermal route. <i>RSC Advances</i> , 2020, 10, 28492-28500.	3.6	4
23	Electrospun Deposited Manganese Oxide Nanofibers Thin Film Electrode for Supercapacitor Application: Effect of Mn Concentration. <i>Macromolecular Symposia</i> , 2020, 392, 2000159.	0.7	2
24	Nanogranular Cadmium Sulfoselenide Thin Films Grown by Successive Ionic Layer Adsorption and Reaction Method for Optoelectronic Applications. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000002.	1.8	4
25	Photo-induced resistive switching in CdS-sensitized TiO ₂ nanorod array memristive device. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 10919-10929.	2.2	14
26	Surfactant-free pH-assisted facile engineering of hierarchical rutile TiO ₂ nanostructures by a single step hydrothermal method for water splitting application. <i>CrystEngComm</i> , 2020, 22, 2462-2471.	2.6	7
27	Sustainable approach to almond skin mediated synthesis of tunable selenium microstructures for coating cotton fabric to impart specific antibacterial activity. <i>Journal of Colloid and Interface Science</i> , 2020, 569, 346-357.	9.4	21
28	Tuning the analog and digital resistive switching properties of TiO ₂ by nanocompositing Al-doped ZnO. <i>Materials Science in Semiconductor Processing</i> , 2020, 115, 105110.	4.0	22
29	Adsorption of Ni(II) ions from aqueous solution on the DMSA functionalized magnetic nanoadsorbents. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	1
30	A new method to prepare superhydrophobic cotton fabrics by post-coating surface modification of ZnO nanoparticles. <i>Materials Letters</i> , 2019, 255, 126562.	2.6	30
31	Two-Step Antisolvent Precipitated MAPbI ₃ Pellet-Based Robust Room-Temperature Ammonia Sensor. <i>Advanced Materials Technologies</i> , 2019, 4, 1900251.	5.8	23
32	Fabrication of nanogranular TiO ₂ thin films by SILAR technique: Application for NO ₂ gas sensor. <i>Inorganic and Nano-Metal Chemistry</i> , 2019, 49, 191-197.	1.6	25
33	Quantum Dot Based Solar Cells: Role of Nanoarchitectures, Perovskite Quantum Dots, and Charge-Transporting Layers. <i>ChemSusChem</i> , 2019, 12, 4724-4753.	6.8	29
34	Removal of Cu(II) from aqueous solution using APTES-GA modified magnetic iron oxide nanoparticles: kinetic and isotherm study. <i>Materials Research Express</i> , 2019, 6, 106103.	1.6	8
35	Highly efficient mixed-halide mixed-cation perovskite solar cells based on rGO-TiO ₂ composite nanofibers. <i>Energy</i> , 2019, 189, 116396.	8.8	37
36	Influence of reduced graphene oxide-TiO ₂ composite nanofibers in organic indoline DN350 based dye sensitized solar cells. <i>Synthetic Metals</i> , 2019, 256, 116146.	3.9	15

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37	Hydrothermal synthesis of nanoporous lead selenide thin films: photoelectrochemical and resistive switching memory applications. Journal of Materials Science: Materials in Electronics, 2019, 30, 17725-17734.	2.2	11
38	Highly reliable multilevel resistive switching in a nanoparticulated In_2O_3 thin-film memristive device. Journal Physics D: Applied Physics, 2019, 52, 175306.	2.8	23
39	Photocatalytic decolorization of methyl violet dye using Rhamnolipid biosurfactant modified iron oxide nanoparticles for wastewater treatment. Journal of Materials Science: Materials in Electronics, 2019, 30, 4590-4598.	2.2	29
40	Electrospun TiO_2 nanofibers for metal free indoline dye sensitized solar cells. Journal of Materials Science: Materials in Electronics, 2019, 30, 12555-12565.	2.2	6
41	Electrolyte for dye-sensitized, quantum dots, and perovskite solar cells. , 2019, , 513-555.		1
42	Chemiresistive ammonia gas sensor based on branched nanofibrous polyaniline thin films. Journal of Materials Science: Materials in Electronics, 2019, 30, 11878-11887.	2.2	10
43	Brief overview of electrospun polyacrylonitrile carbon nanofibers: Preparation process with applications and recent trends. Material Design and Processing Communications, 2019, 1, e83.	0.9	11
44	Insights into kesterite's back contact interface: A status review. Solar Energy Materials and Solar Cells, 2019, 200, 109911.	6.2	91
45	Efficient mixed halide perovskite solar cells via solvent engineering process. Dyes and Pigments, 2019, 168, 311-316.	3.7	16
46	New insights into active-area-dependent performance of hybrid perovskite solar cells. Journal of Materials Science, 2019, 54, 10825-10835.	3.7	7
47	Surfactant-assisted spray pyrolyzed SnO_2 nanostructures for NO_2 gas-sensing application. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	9
48	Recent advancements in silica nanoparticles based technologies for removal of dyes from water. Colloids and Interface Science Communications, 2019, 30, 100181.	4.1	130
49	Novel One Step Sonosynthesis and Deposition Technique to Prepare Silver Nanoparticles Coated Cotton Textile with Antibacterial Properties. Colloid Journal, 2019, 81, 720-727.	1.3	21
50	Waste tea residue as a low cost adsorbent for removal of hydralazine hydrochloride pharmaceutical pollutant from aqueous media: An environmental remediation. Journal of Cleaner Production, 2019, 206, 407-418.	9.3	59
51	Electrochemically Anodized Ultralong TiO_2 Nanotubes for Supercapacitors. Journal of Electronic Materials, 2019, 48, 873-878.	2.2	6
52	Gas Sensing Properties of Hydrothermally Synthesized Button Rose-Like WO_3 Thin Films. Journal of Electronic Materials, 2019, 48, 526-535.	2.2	14
53	Enhanced Gas-Sensing Response of Zinc Oxide Nanorods Synthesized via Hydrothermal Route for Nitrogen Dioxide Gas. Journal of Electronic Materials, 2019, 48, 589-595.	2.2	23
54	Chemically Synthesized Hierarchical Flower like ZnO Microstructures. Zeitschrift Fur Physikalische Chemie, 2019, 233, 1183-1200.	2.8	12

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55	Arrested precipitation assembly of nanosheets Cu ₂ ZnCd (S, Se) ₃ thin film for solar cell performance: Novel skilful synthesis. <i>Materials Letters</i> , 2018, 217, 215-218.	2.6	6
56	Recent advances in synthesis of Cu ₂ FeSnS ₄ materials for solar cell applications: A review. <i>Solar Energy Materials and Solar Cells</i> , 2018, 182, 204-219.	6.2	75
57	Electrochemical performance of LiFePO ₄ /GO composite for Li-ion batteries. <i>Ceramics International</i> , 2018, 44, 6886-6893.	4.8	37
58	Rapid synthesis of CdS nanowire mesh via a simplistic wet chemical route and its NO ₂ gas sensing properties. <i>New Journal of Chemistry</i> , 2018, 42, 4232-4239.	2.8	36
59	Nanoarchitectures in dye-sensitized solar cells: metal oxides, oxide perovskites and carbon-based materials. <i>Nanoscale</i> , 2018, 10, 4987-5034.	5.6	108
60	Single-step hydrothermally grown nanosheet-assembled tungsten oxide thin films for sensitive and selective NO ₂ gas detection. <i>Journal of Materials Science</i> , 2018, 53, 6094-6105.	3.7	29
61	Simplistic eco-friendly preparation of nanostructured Cu ₂ FeSnS ₄ powder for solar photocatalytic degradation. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2018, 229, 135-143.	3.5	34
62	Magnetic nanoparticle decorated graphene based electrochemical nanobiosensor for H ₂ O ₂ sensing using HRP. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 167, 425-431.	5.0	37
63	Structural and electrochemical analysis of chemically synthesized microcubic architected lead selenide thin films. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	17
64	Ce doped NiO nanoparticles as selective NO ₂ gas sensor. <i>Journal of Physics and Chemistry of Solids</i> , 2018, 114, 28-35.	4.0	123
65	The properties of spray-deposited zinc sulfide thin films using trisodium citrate complexant. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 1849-1857.	3.0	10
66	Preparation, characterization of 1D ZnO nanorods and their gas sensing properties. <i>Ceramics International</i> , 2018, 44, 3333-3340.	4.8	77
67	Ru-Loaded mesoporous WO ₃ microflowers for dual applications: enhanced H ₂ S sensing and sunlight-driven photocatalysis. <i>Dalton Transactions</i> , 2018, 47, 16840-16845.	3.3	38
68	An Organic Bipolar Resistive Switching Memory Device Based on Natural Melanin Synthesized From <i>Aeromonas</i> sp. SNS. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2018, 215, 1800550.	1.8	34
69	Coexistence of filamentary and homogeneous resistive switching with memristive and meminductive memory effects in Al/MnO ₂ /SS thin film metal-insulator-metal device. <i>International Nano Letters</i> , 2018, 8, 263-275.	5.0	25
70	NH ₃ gas sensing performance of ternary TiO ₂ /SnO ₂ /WO ₃ hybrid nanostructures prepared by ultrasonic-assisted sol-gel method. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 11830-11839.	2.2	14
71	Impact of collected sunlight on ZnFe ₂ O ₄ nanoparticles for photocatalytic application. <i>Journal of Colloid and Interface Science</i> , 2018, 527, 289-297.	9.4	96
72	Tracking polaron generation in electrochemically doped polyaniline thin films. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1

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73	Nanorods to nanosheets structural evolution of Ni _x Zn _{1-x} O for NO ₂ gas sensing application. Journal of Alloys and Compounds, 2018, 766, 941-951.	5.5	15
74	α -amylase immobilized on magnetic nanoparticles: reusable robust nano-biocatalyst for starch hydrolysis. Materials Research Express, 2018, 5, 075403.	1.6	29
75	Facile green synthesis of In ₂ O ₃ bricks and its NO ₂ gas sensing properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 14508-14518.	2.2	16
76	Symmetric supercapacitor: Sulphurized graphene and ionic liquid. Journal of Colloid and Interface Science, 2018, 527, 40-48.	9.4	65
77	Removal of Cu(II) metal ions from aqueous solution by amine functionalized magnetic nanoparticles. AIP Conference Proceedings, 2018, , .	0.4	3
78	Mimicking the Synaptic Weights and Human Forgetting Curve Using Hydrothermally Grown Nanostructured CuO Memristor Device. Journal of Nanoscience and Nanotechnology, 2018, 18, 984-991.	0.9	26
79	Gas sensing properties of 3D mesoporous nanostructured ZnO thin films. New Journal of Chemistry, 2018, 42, 13573-13580.	2.8	35
80	Hydrothermally grown 3D hierarchical TiO ₂ based on electrochemically anodized 1D TiO ₂ nanostructure for supercapacitor. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	23
81	Photoelectrochemical performance of dye and semiconductor sensitization on 1-D hollow hexagonal ZnO rods: A comparative study. Journal of Solid State Electrochemistry, 2018, 22, 3015-3024.	2.5	12
82	Monolayer grafting of aminosilane on magnetic nanoparticles: An efficient approach for targeted drug delivery system. Journal of Colloid and Interface Science, 2018, 529, 415-425.	9.4	57
83	TOPO mediated rapid hydrothermal synthesis and study of electrochemical performance of nano-structured copper oxide thin films. Sustainable Energy and Fuels, 2017, 1, 377-386.	4.9	11
84	Photocatalytic degradation of methylene blue by hydrothermally synthesized CZTS nanoparticles. Journal of Materials Science: Materials in Electronics, 2017, 28, 8186-8191.	2.2	70
85	Improved electrochemical performance of sandwich-like silver nanowires/graphene oxide nanostructure. Journal of Applied Electrochemistry, 2017, 47, 487-496.	2.9	6
86	Enhancement of Electrical Conductivity of LiFePO ₄ by Controlled Solution Combustion Synthesis. Journal of Electronic Materials, 2017, 46, 1683-1691.	2.2	18
87	Synthesis of a nanostructured rutile TiO ₂ electron transporting layer via an etching process for efficient perovskite solar cells: impact of the structural and crystalline properties of TiO ₂ . Journal of Materials Chemistry A, 2017, 5, 12340-12353.	10.3	25
88	Synthesis of flower shaped ZnO thin films for resistive sensing of NO ₂ gas. Mikrochimica Acta, 2017, 184, 2455-2463.	5.0	17
89	Electrospinning: A versatile technique for making of 1D growth of nanostructured nanofibers and its applications: An experimental approach. Applied Surface Science, 2017, 423, 641-674.	6.1	152
90	Secondary Hydrothermally Processed Engineered Titanium Dioxide Nanostructures for Efficient Perovskite Solar Cells. Energy Technology, 2017, 5, 1775-1787.	3.8	6

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91	Investigations on Nanocomposites of Silver Nanosticks and Polyaniline for Supercapacitor Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 4194-4199.	0.9	5
92	Influence of surfactants on electrochemical growth of CdSe nanostructures and their photoelectrochemical performance. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2649-2653.	2.5	5
93	controlled drug release. <i>IEEE Transactions on Magnetics</i> , 2017, , 1-1.	2.1	5
94	Quantum dot sensitized solar cell based on TiO ₂ /CdS/Ag ₂ S heterostructure. <i>Optical Materials</i> , 2017, 66, 644-650.	3.6	27
95	Effect of write voltage and frequency on the reliability aspects of memristor-based RRAM. <i>International Nano Letters</i> , 2017, 7, 209-216.	5.0	33
96	Greener synthesis of magnetite nanoparticles using green tea extract and their magnetic properties. <i>Materials Research Express</i> , 2017, 4, 096102.	1.6	41
97	Perovskite solar cells: In pursuit of efficiency and stability. <i>Materials and Design</i> , 2017, 136, 54-80.	7.0	83
98	Structural, morphological, and wettability study of electrochemically anodized 1D TiO ₂ nanotube arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	7
99	Characterization and NO ₂ gas sensing properties of spray pyrolyzed SnO ₂ thin films. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 127, 38-46.	5.5	84
100	The green hydrothermal synthesis of nanostructured Cu ₂ ZnSnSe ₄ as solar cell material and study of their structural, optical and morphological properties. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	17
101	Effect of surfactants on the data directionality and learning behaviour of Al/TiO ₂ /FTO thin film memristor-based electronic synapse. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 2753-2757.	2.5	22
102	Synthesis and Characterization of Potentiostatically Electrodeposited Tungsten Oxide Thin Films for Smart Window Application. <i>Journal of Electronic Materials</i> , 2017, 46, 974-981.	2.2	16
103	Mesoporous architecture of TiO ₂ microspheres via controlled template assisted route and their photoelectrochemical properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 304-316.	2.2	29
104	Fabrication of nanostructured ZnO thin films based NO ₂ gas sensor via SILAR technique. <i>Sensors and Actuators B: Chemical</i> , 2017, 239, 1185-1193.	7.8	205
105	Aqueous-Solution-Processed Cu ₂ ZnSn(S,Se) ₄ Thin-Film Solar Cells via an Improved Successive Ion-Layer-Adsorption Reaction Sequence. <i>ACS Omega</i> , 2017, 2, 9211-9220.	3.5	21
106	A Processing in Memory Realization Using Quantum Dot Cellular Automata (QCA): Proposal and Implementation. <i>Journal of Nano- and Electronic Physics</i> , 2017, 9, 01021-1-01021-5.	0.5	5
107	Effect of Tl ⁺ Intercalation on Electrochromic Behavior of Tungsten Heteropolyoxometalate Polymeric Thin Films. <i>Macromolecular Symposia</i> , 2016, 361, 51-56.	0.7	1
108	Chemical synthesis of CdS onto TiO ₂ nanorods for quantum dot sensitized solar cells. <i>Optical Materials</i> , 2016, 58, 46-50.	3.6	32

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109	Chemically synthesized PbS Nano particulate thin films for a rapid NO ₂ gas sensor. <i>Materials Science-Poland</i> , 2016, 34, 204-211.	1.0	59
110	Compact nanoarchitectures of lead selenide via successive ionic layer adsorption and reaction towards optoelectronic devices. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 4996-5005.	2.2	14
111	Quantum dot sensitized solar cell based on TiO ₂ /CdS/CdSe/ZnS heterostructure. <i>Electrochimica Acta</i> , 2016, 203, 74-83.	5.2	60
112	A Simple Aqueous Precursor Solution Processing of Earth-Abundant Cu ₂ SnS ₃ Absorbers for Thin-Film Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11603-11614.	8.0	51
113	Secondary electrochemical doping level effects on polaron and bipolaron bands evolution and interband transition energy from absorbance spectra of PEDOT: PSS thin films. <i>Synthetic Metals</i> , 2016, 220, 661-666.	3.9	42
114	Farming of maize-like zinc oxide via a modified SILAR technique as a selective and sensitive nitrogen dioxide gas sensor. <i>RSC Advances</i> , 2016, 6, 90916-90922.	3.6	46
115	Silver incorporated PEDOT: PSS for enhanced electrochemical performance. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 42, 113-120.	5.8	27
116	Immobilization of invertase on chitosan coated γ -Fe ₂ O ₃ magnetic nanoparticles to facilitate magnetic separation. <i>Journal of Colloid and Interface Science</i> , 2016, 482, 159-164.	9.4	69
117	Facile Preparation and Enhanced Capacitance of the Ag-PEDOT:PSS/Polyaniline Nanofiber Network for Supercapacitors. <i>Electrochimica Acta</i> , 2016, 213, 680-690.	5.2	37
118	Silver Nanoparticles Incorporated PEDOT-PSS Electrodes for Electrochemical Supercapacitor. <i>Journal of Nanoscience and Nanotechnology</i> , 2016, 16, 10625-10629.	0.9	12
119	Microwave assisted novel MoBi ₂ S ₅ nanoflowers: Synthesis, characterization, photoelectrochemical performance. <i>Solid State Sciences</i> , 2016, 61, 89-93.	3.2	5
120	Sulfur ion concentration dependent morphological evolution of CdS thin films and its subsequent effect on photo-electrochemical performance. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 28024-28032.	2.8	23
121	Spray pyrolyzed indium oxide thick films as NO ₂ gas sensor. <i>Ceramics International</i> , 2016, 42, 16160-16168.	4.8	56
122	Influence of laser repetition rate on the Cu ₂ ZnSn(SSe) ₄ thin films synthesized via pulsed laser deposition technique. <i>Solar Energy Materials and Solar Cells</i> , 2016, 157, 331-336.	6.2	20
123	Electrochromic Performance of Nickel Oxide Thin Film: Synthesis via Electrodeposition Technique. <i>Macromolecular Symposia</i> , 2016, 361, 47-50.	0.7	31
124	In situ processed gold nanoparticle-embedded TiO ₂ nanofibers enabling plasmonic perovskite solar cells to exceed 14% conversion efficiency. <i>Nanoscale</i> , 2016, 8, 2664-2677.	5.6	143
125	Enhanced photoelectrochemical performance of novel p-type MoBiCuSe ₄ thin films deposited by a simple surfactant-mediated solution route. <i>RSC Advances</i> , 2016, 6, 24985-24994.	3.6	19
126	Dye sensitized solar cells based on hydrothermally grown TiO ₂ nanostars over nanorods. <i>Ceramics International</i> , 2016, 42, 8038-8043.	4.8	20

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127	Effect of different annealing environments on the solar cell performance of CdSe pebbles. Acta Materialia, 2016, 108, 152-160.	7.9	11
128	Monodispersed wurtzite Cu ₂ SnS ₃ nanocrystals by phosphine and oleylamine free facile heat-up technique. CrystEngComm, 2016, 18, 2885-2893.	2.6	25
129	Studies on effect of temperature on synthesis of hierarchical TiO ₂ nanostructures by surfactant free single step hydrothermal route and its photoelectrochemical characterizations. Journal of Colloid and Interface Science, 2016, 470, 108-116.	9.4	30
130	Novel synthesis of efficient counter electrode by facile arrested precipitation technique (APT). Journal of Materials Science: Materials in Electronics, 2016, 27, 3812-3820.	2.2	2
131	Photoelectrocatalytic degradation of methyl blue using sprayed WO ₃ thin films. Journal of Materials Science: Materials in Electronics, 2016, 27, 1629-1635.	2.2	45
132	Characteristics of Quaternary Flexible Mg and Ga Co-Doped ZnO Thin Films Fabricated Using RF Magnetron Sputtering. Science of Advanced Materials, 2016, 8, 610-617.	0.7	7
133	Investigating the Temperature Effects on ZnO, TiO ₂ , WO ₃ and HfO ₂ Based Resistive Random Access Memory (RRAM) Devices. Journal of Nano- and Electronic Physics, 2016, 8, 04030-1-04030-4.	0.5	10
134	Controllable synthesis of stoichiometric Cu ₂ ZnSnS ₄ nanoparticles by solvothermal method and its properties. AIP Conference Proceedings, 2015, , .	0.4	6
135	A Promising Modified SILAR Sequence for the Synthesis of Photoelectrochemically Active Cu ₂ ZnSnS ₄ (CZTS) Thin Films. Israel Journal of Chemistry, 2015, 55, 1098-1102.	2.3	8
136	Boosting the Performance of ZnO/CdS Core-Shell Nanorod Array-based Solar Cells by ZnS Surface Treatment. Israel Journal of Chemistry, 2015, 55, 1011-1016.	2.3	5
137	Thermoelectric properties of nanocrystalline Cu ₃ SbSe ₄ thin films deposited by a self-organized arrested precipitation technique. New Journal of Chemistry, 2015, 39, 5661-5668.	2.8	21
138	Simplistic construction of cadmium sulfoselenide thin films via a hybrid chemical process for enhanced photoelectrochemical performance. RSC Advances, 2015, 5, 40283-40296.	3.6	26
139	A facile and low cost strategy to synthesize Cd _{1-x} Zn _x Se thin films for photoelectrochemical performance: effect of zinc content. RSC Advances, 2015, 5, 55658-55668.	3.6	33
140	Novel route for the synthesis of surfactant-assisted MoBi ₂ (Se _{0.5} Te _{0.5}) ₅ thin films for solar cell applications. New Journal of Chemistry, 2015, 39, 3405-3416.	2.8	16
141	Development of Ag/WO ₃ /ITO thin film memristor using spray pyrolysis method. Electronic Materials Letters, 2015, 11, 944-948.	2.2	39
142	Hierarchical SnO ₂ microspheres prepared by hydrothermal process for efficient improvement of dye-sensitized solar cell properties. Journal of Nanoparticle Research, 2015, 17, 1.	1.9	4
143	Synthesis and characterization of chemically deposited ZnO nanorods for NO ₂ gas sensing applications. , 2015, , .		1
144	Single source precursor for vacuum evaporation of MoBi ₂ Se ₅ photoactive thin films. Journal of Materials Science: Materials in Electronics, 2015, 26, 2879-2886.	2.2	2

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145	Ultrathin Atomic Layer Deposited TiO ₂ for Surface Passivation of Hydrothermally Grown 1D TiO ₂ Nanorod Arrays for Efficient Solid-State Perovskite Solar Cells. <i>Chemistry of Materials</i> , 2015, 27, 1541-1551.	6.7	170
146	Photoelectrochemical solar cell based on surfactant mediated rutile TiO ₂ nanorods. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2595-2604.	2.2	23
147	Langmuir-Blodgett self organized nanocrystalline tungsten oxide thin films for electrochromic performance. <i>RSC Advances</i> , 2015, 5, 26923-26931.	3.6	28
148	Effect of indium(III) doping on chemosynthesized MoBi ₂ Te ₅ thin films and its photoresponse property. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 2921-2930.	2.2	8
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