

Babasaheb R Sankapal

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147
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5,106
ext. citations

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L-index

#	Paper	IF	Citations
145	Nickel cobaltite as an emerging material for supercapacitors: An overview. <i>Nano Energy</i> , 2015 , 11, 377-399	7.1	354
144	Large scale flexible solid state symmetric supercapacitor through inexpensive solution processed V ₂ O ₅ complex surface architecture. <i>Electrochimica Acta</i> , 2017 , 242, 382-389	6.7	122
143	VO encapsulated MWCNTs in 2D surface architecture: Complete solid-state bendable highly stabilized energy efficient supercapacitor device. <i>Scientific Reports</i> , 2017 , 7, 43430	4.9	111
142	Synthesis and characterization of anatase-TiO ₂ thin films. <i>Applied Surface Science</i> , 2005 , 239, 165-170	6.7	100
141	MoS ₂ ultrathin nanoflakes for high performance supercapacitors: room temperature chemical bath deposition (CBD). <i>RSC Advances</i> , 2016 , 6, 39159-39165	3.7	94
140	First report on synthesis of ZnFe ₂ O ₄ thin film using successive ionic layer adsorption and reaction: Approach towards solid-state symmetric supercapacitor device. <i>Electrochimica Acta</i> , 2016 , 198, 203-211	6.7	92
139	Preparation of nanocrystalline ZnS by a new chemical bath deposition route. <i>Thin Solid Films</i> , 2005 , 480-481, 168-172	2.2	92
138	Wide band gap p-type windows by CBD and SILAR methods. <i>Thin Solid Films</i> , 2004 , 451-452, 128-132	2.2	82
137	Deposition of CdS thin films by the successive ionic layer adsorption and reaction (SILAR) method. <i>Materials Research Bulletin</i> , 2000 , 35, 177-184	5.1	82
136	Hexagonal VS Anchored MWCNTs: First Approach to Design Flexible Solid-State Symmetric Supercapacitor Device. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 44880-44891	9.5	75
135	Successive ionic layer adsorption and reaction (SILAR) method for the deposition of large area (~10 cm ²) tin disulfide (SnS ₂) thin films. <i>Materials Research Bulletin</i> , 2000 , 35, 2027-2035	5.1	65
134	Photoelectrochemical cells based on chemically deposited nanocrystalline Bi ₂ S ₃ thin films. <i>Materials Chemistry and Physics</i> , 1999 , 60, 196-203	4.4	65
133	Preparation and characterization of nanocrystalline CdSe thin films deposited by SILAR method. <i>Materials Chemistry and Physics</i> , 2003 , 78, 11-14	4.4	61
132	First report on a FeS-based 2 V operating flexible solid-state symmetric supercapacitor device. <i>Sustainable Energy and Fuels</i> , 2017 , 1, 1366-1375	5.8	58
131	Presenting highest supercapacitance for TiO ₂ /MWNTs nanocomposites: Novel method. <i>Chemical Engineering Journal</i> , 2014 , 247, 103-110	14.7	57
130	Controlled synthesis of ZnO nanostructures with assorted morphologies via simple solution chemistry. <i>Journal of Alloys and Compounds</i> , 2013 , 551, 233-242	5.7	56
129	XRD, SEM, AFM, HRTEM, EDAX and RBS studies of chemically deposited Sb ₂ S ₃ and Sb ₂ Se ₃ thin films. <i>Applied Surface Science</i> , 2002 , 193, 1-10	6.7	56

128	Electrochemical engineering approach of high performance solid-state flexible supercapacitor device based on chemically synthesized VS ₂ nanoregime structure. <i>Journal of Energy Chemistry</i> , 2019 , 31, 79-88	12	55
127	Novel chemical route for CeO/MWCNTs composite towards highly bendable solid-state supercapacitor device. <i>Scientific Reports</i> , 2019 , 9, 5892	4.9	53
126	Comparative studies on MWCNTs, Fe ₂ O ₃ and Fe ₂ O ₃ /MWCNTs thin films towards supercapacitor application. <i>New Journal of Chemistry</i> , 2016 , 40, 2619-2627	3.6	53
125	Preparation and characterization of Bi ₂ Se ₃ thin films deposited by successive ionic layer adsorption and reaction (SILAR) method. <i>Materials Chemistry and Physics</i> , 2000 , 63, 230-234	4.4	53
124	Nanobeads of zinc oxide with rhodamine B dye as a sensitizer for dye sensitized solar cell application. <i>Journal of Alloys and Compounds</i> , 2012 , 510, 33-37	5.7	52
123	Some structural studies on successive ionic layer adsorption and reaction (SILAR)-deposited CdS thin films. <i>Applied Surface Science</i> , 2001 , 181, 277-282	6.7	51
122	One-dimensional cadmium hydroxide nanowires towards electrochemical supercapacitor. <i>New Journal of Chemistry</i> , 2015 , 39, 9124-9131	3.6	50
121	Chemically deposited BiS:PbS solid solution thin film as supercapacitive electrode. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 1011-1017	9.3	48
120	Two dimensional cryptomelane like growth of MoSe ₂ over MWCNTs: Symmetric all-solid-state supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 802, 131-138	4.1	47
119	TiO ₂ and TiO ₂ /BiO ₂ thin films and powders by one-step soft-solution method: Synthesis and characterizations. <i>Solar Energy Materials and Solar Cells</i> , 2006 , 90, 1533-1541	6.4	47
118	Free-standing flexible MWCNTs bucky paper: Extremely stable and energy efficient supercapacitive electrode. <i>Electrochimica Acta</i> , 2017 , 249, 395-403	6.7	46
117	Electroless-deposited Ag nanoparticles for highly stable energy-efficient electrochemical supercapacitor. <i>Journal of Alloys and Compounds</i> , 2017 , 726, 1295-1303	5.7	46
116	Zinc Oxide Encapsulated Carbon Nanotube Thin Films for Energy Storage Applications. <i>Electrochimica Acta</i> , 2016 , 192, 377-384	6.7	43
115	Electrical properties of air-stable, iodine-doped carbon-nanotube/polymer composites. <i>Applied Physics Letters</i> , 2007 , 91, 173103	3.4	42
114	Photoelectrochemical (PEC) characterization of chemically deposited Bi ₂ S ₃ thin films from non-aqueous medium. <i>Materials Chemistry and Physics</i> , 1999 , 60, 158-162	4.4	42
113	A novel method for the deposition of nanocrystalline Bi ₂ Se ₃ , Sb ₂ Se ₃ and Bi ₂ Se ₃ /Sb ₂ Se ₃ thin films by SILAR. <i>Applied Surface Science</i> , 2001 , 182, 413-417	6.7	41
112	Preparation and characterization of Bi ₂ S ₃ thin films using modified chemical bath deposition method. <i>Materials Research Bulletin</i> , 2001 , 36, 199-210	5.1	41
111	A new chemical method for the preparation of Ag ₂ S thin films. <i>Materials Chemistry and Physics</i> , 2000 , 63, 226-229	4.4	41

110	Room temperature PEDOT:PSS encapsulated MWCNTs thin film for electrochemical supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 771, 80-86	4.1	41
109	Characterization of p-CuI prepared by the SILAR technique on Cu-tape/n-CuInS ₂ for solar cells. <i>Thin Solid Films</i> , 2005 , 480-481, 142-146	2.2	40
108	Photoelectrochemical characterization of Bi ₂ Se ₃ thin films deposited by SILAR technique. <i>Materials Chemistry and Physics</i> , 2002 , 73, 151-155	4.4	39
107	Structural characterization of chemically deposited Bi ₂ S ₃ and Bi ₂ Se ₃ thin films. <i>Applied Surface Science</i> , 2002 , 187, 108-115	6.7	39
106	Electrochemical approach of chemically synthesized HgS nanoparticles as supercapacitor electrode. <i>Materials Letters</i> , 2017 , 209, 97-101	3.3	38
105	Chemical and electrochemical synthesis of nanosized TiO ₂ anatase for large-area photon conversion. <i>Comptes Rendus Chimie</i> , 2006 , 9, 702-707	2.7	38
104	Studies on photoelectrochemical (PEC) cell formed with SILAR deposited Bi ₂ Se ₃ /Bi ₂ S ₃ multilayer thin films. <i>Solar Energy Materials and Solar Cells</i> , 2001 , 69, 43-52	6.4	38
103	Photoelectrochemical investigation of Ag ₂ S thin films deposited by SILAR method. <i>Materials Chemistry and Physics</i> , 2001 , 72, 105-108	4.4	38
102	A chemical method for the deposition of Bi ₂ S ₃ thin films from a non-aqueous bath. <i>Thin Solid Films</i> , 2000 , 359, 136-140	2.2	38
101	Thickness dependent properties of chemically deposited As ₂ S ₃ thin films from thioacetamide bath. <i>Materials Chemistry and Physics</i> , 2000 , 64, 215-221	4.4	38
100	Non-aqueous chemical bath deposition of Sb ₂ S ₃ thin films. <i>Thin Solid Films</i> , 1999 , 353, 29-32	2.2	38
99	Studies on chemically deposited nanocrystalline Bi ₂ S ₃ thin films. <i>Materials Research Bulletin</i> , 2000 , 35, 587-601	5.1	37
98	CdS nanowires with PbS nanoparticles surface coating as room temperature liquefied petroleum gas sensor. <i>Sensors and Actuators A: Physical</i> , 2014 , 216, 78-83	3.9	35
97	Highly conductive energy efficient electroless anchored silver nanoparticles on MWCNTs as a supercapacitive electrode. <i>New Journal of Chemistry</i> , 2017 , 41, 10808-10814	3.6	35
96	Materials Mutualism through EDLC-Behaved MWCNTs with Pseudocapacitive MoTe ₂ Nanoparticles: Enhanced Supercapacitive Performance. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 15072-15082	8.3	33
95	Facile chemical route for multiwalled carbon nanotube/mercury sulfide nanocomposite: High performance supercapacitive electrode. <i>Journal of Colloid and Interface Science</i> , 2018 , 514, 740-749	9.3	32
94	Chemical synthesis of Cd-free wide band gap materials for solar cells. <i>Solar Energy Materials and Solar Cells</i> , 2004 , 83, 447-458	6.4	32
93	Sb ₂ S ₃ nanoparticles through solution chemistry on mesoporous TiO ₂ for solar cell application. <i>Chemical Physics Letters</i> , 2012 , 554, 150-154	2.5	31

92	SILAR coated Bi ₂ S ₃ nanoparticles on vertically aligned ZnO nanorods: Synthesis and characterizations. <i>Ceramics International</i> , 2015 , 41, 10394-10399	5.1	30
91	Influence of processing parameters on chemically grown ZnO films with low cost Eosin-Y dye towards efficient dye sensitized solar cell. <i>Solar Energy</i> , 2014 , 105, 445-454	6.8	30
90	Preparation and characterization of Sb ₂ S ₃ thin films using a successive ionic layer adsorption and reaction (SILAR) method. <i>Journal of Materials Science Letters</i> , 1999 , 18, 1453-1455		29
89	Anchoring cobalt oxide nanoparticles on to the surface multiwalled carbon nanotubes for improved supercapacitive performances. <i>RSC Advances</i> , 2015 , 5, 48426-48432	3.7	28
88	Nanocrystalline p-type-cuprous oxide thin films by room temperature chemical bath deposition method. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 5551-5554	5.7	28
87	Effect of annealing on chemically deposited Bi ₂ Se ₃ /Bi ₂ S ₃ composite thin films. <i>Materials Chemistry and Physics</i> , 2002 , 74, 126-133	4.4	28
86	SILAR deposited Bi ₂ S ₃ thin film towards electrochemical supercapacitor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2017 , 87, 209-212	3	27
85	CdO necklace like nanobeads decorated with PbS nanoparticles: Room temperature LPG sensor. <i>Materials Chemistry and Physics</i> , 2017 , 191, 168-172	4.4	26
84	Zinc Ferrite Anchored Multiwalled Carbon Nanotubes for High-Performance Supercapacitor Applications. <i>European Journal of Inorganic Chemistry</i> , 2018 , 2018, 137-142	2.3	26
83	Vertically aligned TiO ₂ nanotubes: Highly stable electrochemical supercapacitor. <i>Journal of Electroanalytical Chemistry</i> , 2016 , 780, 197-200	4.1	26
82	Cationic-exchange approach for conversion of two dimensional CdS to two dimensional Ag ₂ S nanowires with an intermediate core-shell nanostructure towards supercapacitor application. <i>New Journal of Chemistry</i> , 2016 , 40, 10144-10152	3.6	26
81	Vanadium oxide anchored MWCNTs nanostructure for superior symmetric electrochemical supercapacitors. <i>Materials and Design</i> , 2019 , 182, 107972	8.1	25
80	p-PEDOT:PSS as a heterojunction partner with n-ZnO for detection of LPG at room temperature. <i>Journal of Alloys and Compounds</i> , 2012 , 515, 80-85	5.7	25
79	LPG sensor based on complete inorganic n-Bi ₂ S ₃ -p-CuSCN heterojunction synthesized by a simple chemical route. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 245302	3	25
78	Porous zinc cobaltite (ZnCoO) film by successive ionic layer adsorption and reaction towards solid-state symmetric supercapacitive device. <i>Journal of Colloid and Interface Science</i> , 2017 , 487, 201-208	9.3	24
77	Synthesis of interconnected needle-like Bi ₂ O ₃ using successive ionic layer adsorption and reaction towards supercapacitor application. <i>Ionics</i> , 2017 , 23, 1831-1837	2.7	22
76	CdO nanonecklace: Effect of air annealing on performance of photo electrochemical cell. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 75-82	5.7	22
75	Photoelectrochemical characterization of chemically deposited (CdS) _x (Bi ₂ S ₃) _{1-x} composite thin films. <i>Materials Chemistry and Physics</i> , 2001 , 72, 48-55	4.4	22

74	CdS surface encapsulated ZnO nanorods: Synthesis to solar cell application. <i>Journal of Alloys and Compounds</i> , 2016 , 689, 394-400	5.7	22
73	Nanoheterojunction through PbS nanoparticles anchored CdS nanowires towards solar cell application. <i>International Journal of Hydrogen Energy</i> , 2019 , 44, 7095-7107	6.7	21
72	Light-induced electrochemical performance of 3D- CdS nanonetwork: Effect of annealing. <i>Electrochimica Acta</i> , 2016 , 222, 100-107	6.7	21
71	Straightening of chemically deposited CdS nanowires through annealing towards improved PV device performance. <i>Ceramics International</i> , 2016 , 42, 6682-6691	5.1	21
70	Wet chemical synthesis of ZnO thin films and sensitization to light with N3 dye for solar cell application. <i>Journal Physics D: Applied Physics</i> , 2009 , 42, 125108	3	21
69	Solution processed nanostructured cerium oxide electrode: Electrochemical engineering towards solid-state symmetric supercapacitor device. <i>Journal of Electroanalytical Chemistry</i> , 2019 , 839, 96-107	4.1	20
68	Facile SILAR Processed Bi ₂ S ₃ :PbS Solid Solution on MWCNTs for High-performance Electrochemical Supercapacitor. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 1279-1286	4.9	20
67	Decoration of Ultrathin MoS ₂ Nanoflakes over MWCNTs: Enhanced Supercapacitive Performance through Electrode to Symmetric All-Solid-State Device. <i>ChemistrySelect</i> , 2017 , 2, 10405-10412	1.8	20
66	Synthesis of pyridine derivatives and their influence as additives on the photocurrent of dye-sensitized solar cells. <i>Journal of Applied Electrochemistry</i> , 2009 , 39, 147-154	2.6	20
65	Facile fabrication of CdS/CdSe core-shell nanowire heterostructure for solar cell applications. <i>New Journal of Chemistry</i> , 2017 , 41, 5808-5817	3.6	19
64	Basic idea, advance approach Efficiency boost by sensitization of blended dye on chemically deposited ZnO films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2016 , 318, 135-141	4.7	19
63	Cactus architecture of ZnO nanoparticles network through simple wet chemistry: Efficient dye sensitized solar cells. <i>Materials Letters</i> , 2014 , 116, 91-93	3.3	19
62	Green biochemistry approach for synthesis of silver and gold nanoparticles using Ficus racemosa latex and their pH-dependent binding study with different amino acids using UV/Vis absorption spectroscopy. <i>Amino Acids</i> , 2015 , 47, 757-65	3.5	19
61	PEDOT:PSS shell on CdS nanowires: Room temperature LPG sensor. <i>Journal of Alloys and Compounds</i> , 2014 , 592, 1-5	5.7	19
60	Room temperature chemical synthesis of highly oriented PbSe nanotubes based on negative free energy of formation. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 10066-10069	5.7	19
59	. <i>IEEE Transactions on Power Electronics</i> , 2020 , 35, 11344-11351	7.2	19
58	Solution-processed CdS quantum dots on TiO ₂ : light-induced electrochemical properties. <i>RSC Advances</i> , 2016 , 6, 83175-83184	3.7	18
57	Flexible iron-doped Sr(OH) ₂ fibre wrapped tuberose for high-performance supercapacitor electrode. <i>Journal of Alloys and Compounds</i> , 2019 , 781, 831-841	5.7	18

56	1-D electron path of 3-D architecture consisting of dye loaded CdS nanowires: Dye sensitized solar cell. <i>Journal of Alloys and Compounds</i> , 2015 , 651, 399-404	5.7	17
55	SILAR controlled CdSe nanoparticles sensitized ZnO nanorods photoanode for solar cell application: Electrolyte effect. <i>Journal of Colloid and Interface Science</i> , 2018 , 524, 148-155	9.3	17
54	Enhanced field emission properties of V2O5/MWCNTs nanocomposite. <i>Applied Physics A: Materials Science and Processing</i> , 2018 , 124, 1	2.6	17
53	Tuberoso surface architecture of Sr(OH) ₂ film as supercapacitive electrode. <i>Electrochimica Acta</i> , 2017 , 258, 34-42	6.7	16
52	Novel application of non-aqueous chemical bath deposited Sb ₂ S ₃ thin films as supercapacitive electrode. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 21278-21285	6.7	16
51	Linker free synthesis of TiO ₂ /Bi ₂ S ₃ heterostructure towards solar cell application: Facile chemical routes. <i>Materials Science in Semiconductor Processing</i> , 2015 , 30, 335-342	4.3	15
50	Core-shell cadmium sulphide @ silver sulphide nanowires surface architecture: Design towards photoelectrochemical solar cells. <i>Journal of Colloid and Interface Science</i> , 2021 , 587, 715-726	9.3	15
49	Ultrathin Cu ₂ P ₂ O ₇ nanoflakes on stainless steel substrate for flexible symmetric all-solid-state supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 422, 130131	14.7	14
48	The n-Bi ₂ S ₃ /p-PbS heterojunction for room temperature LPG sensors. <i>Sensors and Actuators A: Physical</i> , 2017 , 267, 187-193	3.9	13
47	Cu(OH) ₂ @Cd(OH) ₂ core-shell nanostructure: Synthesis to supercapacitor application. <i>Thin Solid Films</i> , 2019 , 692, 137584	2.2	13
46	Decoration of CdS nanoparticles on MWCNT's by simple solution chemistry. <i>Applied Surface Science</i> , 2012 , 258, 7536-7539	6.7	13
45	Pseudocapacitive behavior of unidirectional CdS nanoforest in 3D architecture through solution chemistry. <i>Chemical Physics Letters</i> , 2016 , 659, 105-111	2.5	13
44	Preparation of CdCr ₂ S ₄ and HgCr ₂ S ₄ thin films by chemical bath deposition. <i>Materials Research Bulletin</i> , 1999 , 34, 2035-2042	5.1	12
43	Combined electrochemical and DFT investigations of iron selenide: a mechanically bendable solid-state symmetric supercapacitor. <i>Sustainable Energy and Fuels</i> , 2021 , 5, 5001-5012	5.8	12
42	Aligned 2D CuSCN nanosheets: a high performance field emitter. <i>RSC Advances</i> , 2016 , 6, 71958-71962	3.7	10
41	Synthesis and characterization of polypyrrole and its application for solar cell. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1	2.6	10
40	Nested CdS@HgS core-shell nanowires as supercapacitive Faradaic electrode through simple solution chemistry. <i>Nano Structures Nano Objects</i> , 2017 , 10, 159-166	5.6	9
39	Synthesis and characterization of AgI thin films at low temperature. <i>Journal of Alloys and Compounds</i> , 2010 , 506, 268-270	5.7	9

38	Prototype symmetric configured MWCNTs/Fe ₂ O ₃ based solid-state supercapacitor. <i>Synthetic Metals</i> , 2021 , 271, 116629	3.6	9
37	Metal phosphides: topical advances in the design of supercapacitors. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 20241-20276	13	9
36	ZnO/CuSCN Nano-Heterostructure as a Highly Efficient Field Emitter: a Combined Experimental and Theoretical Investigation. <i>ACS Omega</i> , 2020 , 5, 6715-6724	3.9	8
35	Spongy nano surface architecture of chemically grown BiVO ₄ : High-capacitance retentive electrochemical supercapacitor. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 25586-25595	6.7	8
34	Vanadium telluride nanoparticles on MWCNTs prepared by successive ionic layer adsorption and reaction for solid-state supercapacitor. <i>Chemical Engineering Journal</i> , 2022 , 429, 132505	14.7	8
33	Role of polyaniline thickness in polymer-zinc oxide based solid state solar cell. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 244, 23-28	3.1	7
32	Room temperature linker free growth of CdSe quantum dots on mesoporous TiO ₂ : solar cell application. <i>Ceramics International</i> , 2015 , 41, 3940-3946	5.1	7
31	Synthesis of nickel hydroxide/reduced graphene oxide composite thin films for water splitting application. <i>International Journal of Energy Research</i> , 2020 , 44, 10908-10916	4.5	7
30	First report on solution processed HgCeS rectangular microrods: An efficient energy storage supercapacitive electrode. <i>Journal of Colloid and Interface Science</i> , 2019 , 535, 169-175	9.3	7
29	Influence of Cu on the Performance of Tuberosc Architecture of Strontium Hydroxide Thin Film as a Supercapacitor Electrode. <i>ChemElectroChem</i> , 2018 , 5, 4021-4028	4.3	7
28	Reduced turn-on field through solution processed MoS ₂ nanoflakes anchored MWCNTs. <i>Chemical Physics Letters</i> , 2019 , 723, 146-150	2.5	6
27	Widening potential window of flexible solid-state supercapacitor through asymmetric configured iron oxide and poly(3,4-ethylenedioxythiophene) polystyrene sulfonate coated multi-walled carbon nanotubes assembly. <i>Journal of Energy Storage</i> , 2020 , 31, 101622	7.8	6
26	Nanonecklace of CdO through simple solution chemistry. <i>Materials Science in Semiconductor Processing</i> , 2016 , 49, 81-83	4.3	6
25	Synthesis of metal free organic dyes: Experimental and theoretical approach to sensitize one-dimensional cadmium sulphide nanowires for solar cell application. <i>Journal of Molecular Liquids</i> , 2021 , 336, 116862	6	6
24	The electrochemical kinetics of cerium selenide nano-pebbles: the design of a device-grade symmetric configured wide-potential flexible solid-state supercapacitor. <i>Nanoscale Advances</i> , 2021 , 3, 1057-1066	5.1	5
23	Facile synthesis of D _{3h} structured dyes and their applications towards the cost effective fabrication of solar cells as well as sensing of hazardous Hg(II). <i>RSC Advances</i> , 2016 , 6, 106453-106464	3.7	4
22	Efficiency enhancement of solid-state dye sensitized solar cell by in situ deposition of CuI. <i>Surface and Interface Analysis</i> , 2008 , 40, 1393-1396	1.5	4
21	Inverted organic solar cell with ultrasonic spray deposited active layer. <i>Optik</i> , 2017 , 131, 1079-1084	2.5	3

20	Anchoring of gold nanoparticles into aligned TiO ₂ nanotube: Improved supercapacitive performance. <i>Nano Structures Nano Objects</i> , 2019 , 20, 100381	5.6	3
19	Synthesis of DDA-type small organic molecules with an enlarged linker system towards organic solar cells and the effect of co-adsorbents on cell performance. <i>New Journal of Chemistry</i> , 2016 , 40, 634-640	3.6	3
18	Process optimization of dip-coated MWCNTs thin-films: Counter electrode in dye sensitized solar cells. <i>Journal of the Indian Chemical Society</i> , 2021 , 98, 100195		3
17	Aggregation induced emission (AIE) materials based on diketopyrrolopyrrole chromophore for CdS nanowire solar cell applications. <i>Journal of Electroanalytical Chemistry</i> , 2021 , 895, 115451	4.1	3
16	Facile Bi ₂ S ₃ nanoparticles on CdS nanowires surface: Core-shell nanostructured design towards solar cell application. <i>Surfaces and Interfaces</i> , 2021 , 27, 101457	4.1	3
15	The first report on SILAR deposited nanostructured uranyl sulphide thin films and their chemical conversion to silver sulphide. <i>New Journal of Chemistry</i> , 2015 , 39, 8695-8702	3.6	2
14	Mixed phase FeTe: Fe ₂ TeO ₅ nanopebbles through solution chemistry: Electrochemical supercapacitor application. <i>Ceramics International</i> , 2021 , 48, 137-137	5.1	2
13	MoS ₂ nanoflakes anchored MWCNTs: Counter electrode in dye-sensitized solar cell. <i>Inorganic Chemistry Communication</i> , 2021 , 132, 108827	3.1	2
12	PbS nanoparticles anchored 1D- CdSe nanowires: Core-shell design towards energy storage supercapacitor application. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164323	5.7	2
11	Multi-walled carbon nanotubes supported copper phosphate microflowers for flexible solid-state supercapacitor. <i>International Journal of Energy Research</i> , 2022 , 46, 6177-6196	4.5	2
10	Process optimization for decoration of Bi ₂ Se ₃ nanoparticles on CdS nanowires: Twofold power conversion solar cell efficiency. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 133, 104251	5.3	1
9	Pseudocapacitive nanostructured silver selenide thin film through room temperature chemical route: First approach towards supercapacitive application. <i>Inorganic Chemistry Communication</i> , 2021 , 135, 109083	3.1	1
8	Approach for fabricating JLT using chemically deposited cadmium sulphide and titanium dioxide. <i>Micro and Nano Letters</i> , 2019 , 14, 1060-1063	0.9	1
7	Web-analogues one-dimensional iron hydroxide@cadmium hydroxide nanostructure: electrochemical supercapacitor. <i>Journal of Materials Science: Materials in Electronics</i> , 2021 , 32, 22472-22480	2.1	1
6	Cerium Selenide Nanopebble/Multiwalled Carbon Nanotube Composite Electrodes for Solid-State Symmetric Supercapacitors. <i>ACS Applied Nano Materials</i> , 2022 , 5, 3007-3017	5.6	1
5	Sequential growth-controlled silver selenide nanoparticles embedded 1D-CdS nanowires: Heterostructure design to enhance power conversion efficiency. <i>Journal of Physics and Chemistry of Solids</i> , 2022 , 163, 110576	3.9	0
4	Fabrication and characterization of lead sulfide and multi-walled carbon nanotube based field effect transistors using low cost chemical route. <i>Engineering Research Express</i> , 2021 , 3, 025016	0.9	0
3	Dye-sensitized solar cells 2021 , 179-211		0

- 2 Chemically Processed Metal Oxides for Sensing Application: Heterojunction Room Temperature LPG Sensor **2021**, 765-805 0
- 1 Pyridine enhances the efficiency of 1D-CdS nanowire solar cells fabricated using novel organic dyes. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2022**, 640, 128500 5-1