# Babasaheb R Sankapal

List of Publications by Year
in descending order



| 147 | 6,218 | 47006<br>47 | 95266<br>68 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 147 | 147 | 147 | 5470 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mixed phase FeTe: Fe2TeO5 nanopebbles through solution chemistry: Electrochemical supercapacitor application. Ceramics International, 2022, 48, 137-147. | 4.8 | 15 |
| 2 | Vanadium telluride nanoparticles on MWCNTs prepared by successive ionic layer adsorption and reaction for solid-state supercapacitor. Chemical Engineering Journal, 2022, 429, 132505. | 12.7 | 62 |
| 3 | Pseudocapacitive nanostructured silver selenide thin film through room temperature chemical route: First approach towards supercapacitive application. Inorganic Chemistry Communication, 2022, 135, 109083. | 3.9 | 12 |
| 4 | 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. | 4.7 | 8 |
| 5 | Sequential growth-controlled silver selenide nanoparticles embedded 1D-CdS nanowires: Heterostructure design to enhance power conversion efficiency. Journal of Physics and Chemistry of Solids, 2022, 163, 110576. | 4.0 | 7 |
| 6 | Process optimization for decoration of Bi2Se3 nanoparticles on CdS nanowires: Twofold power conversion solar cell efficiency. Journal of the Taiwan Institute of Chemical Engineers, 2022, 133, 104251. | 5.3 | 14 |
| 7 | Cerium Selenide Nanopebble/Multiwalled Carbon Nanotube Composite Electrodes for Solid-State Symmetric Supercapacitors. ACS Applied Nano Materials, 2022, 5, 3007-3017. | 5.0 | 40 |
| 8 | PbS nanoparticles anchored 1D- CdSe nanowires: Core-shell design towards energy storage supercapacitor application. Journal of Alloys and Compounds, 2022, 906, 164323. | 5.5 | 20 |
| 9 | Multiâ€walled carbon nanotubes supported copper phosphate microflowers for flexible solidâ€state supercapacitor. International Journal of Energy Research, 2022, 46, 6177-6196. | 4.5 | 21 |
| 10 | Carbon Nanotube-Functionalized Surface-Assisted Growth of Cobalt Phosphate Nanodots: A Highly Stable and Bendable All-Solid-State Symmetric Supercapacitor. Energy & Fuels, 2022, 36, 5953-5964. | 5.1 | 14 |
| 11 | Synthesis of spongy Mn nanoparticles by electroless reduction for solid-state flexible supercapacitor application. Journal of Alloys and Compounds, 2022, 922, 166238. | 5.5 | 5 |
| 12 | Core-shell cadmium sulphide @ silver sulphide nanowires surface architecture: Design towards photoelectrochemical solar cells. Journal of Colloid and Interface Science, 2021, 587, 715-726. | 9.4 | 35 |
| 13 | Prototype symmetric configured MWCNTs/Fe2O3 based solid-state supercapacitor. Synthetic Metals, 2021, 271, 116629. | 3.9 | 18 |
| 14 | The electrochemical kinetics of cerium selenide nano-pebbles: the design of a device-grade symmetric configured wide-potential flexible solid-state supercapacitor. Nanoscale Advances, 2021, 3, 1057-1066. | 4.6 | 38 |
| 15 | Dye-sensitized solar cells. , 2021, , 179-211. | | 3 |
| 16 | Metal phosphides: topical advances in the design of supercapacitors. Journal of Materials Chemistry A, 2021, 9, 20241-20276. | 10.3 | 66 |
| 17 | Combined electrochemical and DFT investigations of iron selenide: a mechanically bendable solid-state symmetric supercapacitor. Sustainable Energy and Fuels, 2021, 5, 5001-5012. | 4.9 | 34 |
| 18 | Chemically Processed Metal Oxides for Sensing Application: Heterojunction Room Temperature LPG Sensor. , 2021, , 765-805. | | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Fabrication and characterization of lead sulfide and multi-walled carbon nanotube based field effect transistors using low cost chemical route. Engineering Research Express, 2021, 3, 025016. | 1.6 | 4 |
| 20 | Spongy nano surface architecture of chemically grown BiVO4: High-capacitance retentive electrochemical supercapacitor. International Journal of Hydrogen Energy, 2021, 46, 25586-25595. | 7.1 | 20 |
| 21 | Synthesis of metal free organic dyes: Experimental and theoretical approach to sensitize one-dimensional cadmium sulphide nanowires for solar cell application. Journal of Molecular Liquids, 2021, 336, 116862. | 4.9 | 14 |
| 22 | Aggregation induced emission (AIE) materials based on diketopyrrolopyrrole chromophore for CdS nanowire solar cell applications. Journal of Electroanalytical Chemistry, 2021, 895, 115451. | 3.8 | 11 |
| 23 | Web-analogues one-dimensional iron hydroxide@cadmium hydroxide nanostructure: electrochemical supercapacitor. Journal of Materials Science: Materials in Electronics, 2021, 32, 22472-22480. | 2.2 | 13 |
| 24 | MoS2 nanoflakes anchored MWCNTs: Counter electrode in dye-sensitized solar cell. Inorganic Chemistry Communication, 2021, 132, 108827. | 3.9 | 15 |
| 25 | Ultrathin Cu2P2O7 nanoflakes on stainless steel substrate for flexible symmetric all-solid-state supercapacitors. Chemical Engineering Journal, 2021, 422, 130131. | 12.7 | 66 |
| 26 | Facile Bi2S3 nanoparticles on CdS nanowires surface: Core-shell nanostructured design towards solar cell application. Surfaces and Interfaces, 2021, 27, 101457. | 3.0 | 12 |
| 27 | Process optimization of dip-coated MWCNTs thin-films: Counter electrode in dye sensitized solar cells. Journal of the Indian Chemical Society, 2021, 98, 100195. | 2.8 | 8 |
| 28 | 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. Journal of Energy Storage, 2020, 31, 101622. | 8.1 | 16 |
| 29 | Synthesis of nickel hydroxide/reduced graphene oxide composite thin films for water splitting application. International Journal of Energy Research, 2020, 44, 10908-10916. | 4.5 | 18 |
| 30 | ZnO/CuSCN Nano-Heterostructure as a Highly Efficient Field Emitter: a Combined Experimental and Theoretical Investigation. ACS Omega, 2020, 5, 6715-6724. | 3.5 | 12 |
| 31 | Two-Dimensional Hexagonal SnSe Nanosheets as Binder-Free Electrode Material for High-Performance Supercapacitors. IEEE Transactions on Power Electronics, 2020, 35, 11344-11351. | 7.9 | 39 |
| 32 | Electrochemical engineering approach of high performance solid-state flexible supercapacitor device based on chemically synthesized VS2 nanoregime structure. Journal of Energy Chemistry, 2019, 31, 79-88. | 12.9 | 77 |
| 33 | Facile SILAR Processed Bi<sub>2</sub>S<sub>3</sub>:PbS Solid Solution on MWCNTs for Highâ€performance Electrochemical Supercapacitor. Chinese Journal of Chemistry, 2019, 37, 1279-1286. | 4.9 | 54 |
| 34 | Cu(OH)2@Cd(OH)2 core-shell nanostructure: Synthesis to supercapacitor application. Thin Solid Films, 2019, 692, 137584. | 1.8 | 19 |
| 35 | Anchoring of gold nanoparticles into aligned TiO2 nanotube: Improved supercapacitive performance. Nano Structures Nano Objects, 2019, 20, 100381. | 3.5 | 5 |
| 36 | Vanadium oxide anchored MWCNTs nanostructure for superior symmetric electrochemical supercapacitors. Materials and Design, 2019, 182, 107972. | 7.0 | 50 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | Role of polyaniline thickness in polymer-zinc oxide based solid state solar cell. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 244, 23-28. | 3.5 | 13 |
| 38 | Reduced turn-on field through solution processed MoS2 nanoflakes anchored MWCNTs. Chemical Physics Letters, 2019, 723, 146-150. | 2.6 | 9 |
| 39 | Solution processed nanostructured cerium oxide electrode: Electrochemical engineering towards solid-state symmetric supercapacitor device. Journal of Electroanalytical Chemistry, 2019, 839, 96-107. | 3.8 | 42 |
| 40 | Novel chemical route for CeO2/MWCNTs composite towards highly bendable solid-state supercapacitor device. Scientific Reports, 2019, 9, 5892. | 3.3 | 105 |
| 41 | Nanoheterojunction through PbS nanoparticles anchored CdS nanowires towards solar cell application. International Journal of Hydrogen Energy, 2019, 44, 7095-7107. | 7.1 | 31 |
| 42 | CdO nanonecklace: Effect of air annealing on performance of photo electrochemical cell. Journal of Alloys and Compounds, 2019, 788, 75-82. | 5.5 | 32 |
| 43 | Approach for fabricating JLT using chemically deposited cadmium sulphide and titanium dioxide. Micro and Nano Letters, 2019, 14, 1060-1063. | 1.3 | 3 |
| 44 | Flexible iron-doped Sr(OH)2 fibre wrapped tuberose for high-performance supercapacitor electrode. Journal of Alloys and Compounds, 2019, 781, 831-841. | 5.5 | 22 |
| 45 | First report on solution processed Î±-Ce2S3 rectangular microrods: An efficient energy storage supercapacitive electrode. Journal of Colloid and Interface Science, 2019, 535, 169-175. | 9.4 | 21 |
| 46 | SILAR controlled CdSe nanoparticles sensitized ZnO nanorods photoanode for solar cell application: Electrolyte effect. Journal of Colloid and Interface Science, 2018, 524, 148-155. | 9.4 | 28 |
| 47 | Zinc Ferrite Anchored Multiwalled Carbon Nanotubes for Highâ€Performance Supercapacitor Applications. European Journal of Inorganic Chemistry, 2018, 2018, 137-142. | 2.0 | 41 |
| 48 | Facile chemical route for multiwalled carbon nanotube/mercury sulfide nanocomposite: High performance supercapacitive electrode. Journal of Colloid and Interface Science, 2018, 514, 740-749. | 9.4 | 55 |
| 49 | Materials Mutualism through EDLC-Behaved MWCNTs with Pseudocapacitive MoTe<sub>2</sub> Nanopebbles: Enhanced Supercapacitive Performance. ACS Sustainable Chemistry and Engineering, 2018, 6, 15072-15082. | 6.7 | 66 |
| 50 | Enhanced field emission properties of V2O5/MWCNTs nanocomposite. Applied Physics A: Materials Science and Processing, 2018, 124, 1. | 2.3 | 27 |
| 51 | Influence of Cu on the Performance of Tuberose Architecture of Strontium Hydroxide Thin Film as a Supercapacitor Electrode. ChemElectroChem, 2018, 5, 4021-4028. | 3.4 | 8 |
| 52 | CdO necklace like nanobeads decorated with PbS nanoparticles: Room temperature LPG sensor. Materials Chemistry and Physics, 2017, 191, 168-172. | 4.0 | 32 |
| 53 | V2O5 encapsulated MWCNTs in 2D surface architecture: Complete solid-state bendable highly stabilized energy efficient supercapacitor device. Scientific Reports, 2017, 7, 43430. | 3.3 | 148 |
| 54 | First report on a FeS-based 2 V operating flexible solid-state symmetric supercapacitor device. Sustainable Energy and Fuels, 2017, 1, 1366-1375. | 4.9 | 77 |

| # | Article | IF | Citations |
|---|---|---|---|
| 55 | Large scale flexible solid state symmetric supercapacitor through inexpensive solution processed V 2 O 5 complex surface architecture. Electrochimica Acta, 2017, 242, 382-389. | 5.2 | 156 |
| 56 | Nested CdS@HgS coreâ€“shell nanowires as supercapacitive Faradaic electrode through simple solution chemistry. Nano Structures Nano Objects, 2017, 10, 159-166. | 3.5 | 14 |
| 57 | Facile fabrication of CdS/CdSe coreâ€“shell nanowire heterostructure for solar cell applications. New Journal of Chemistry, 2017, 41, 5808-5817. | 2.8 | 24 |
| 58 | Synthesis of interconnected needle-like Bi2O3 using successive ionic layer adsorption and reaction towards supercapacitor application. Ionics, 2017, 23, 1831-1837. | 2.4 | 39 |
| 59 | Inverted organic solar cell with ultrasonic spray deposited active layer. Optik, 2017, 131, 1079-1084. | 2.9 | 5 |
| 60 | The n-Bi2S3/p-PbS heterojunction for room temperature LPG sensors. Sensors and Actuators A: Physical, 2017, 267, 187-193. | 4.1 | 21 |
| 61 | Tuberose surface architecture of Sr(OH)2 film as supercapacitive electrode. Electrochimica Acta, 2017, 258, 34-42. | 5.2 | 18 |
| 62 | Highly conductive energy efficient electroless anchored silver nanoparticles on MWCNTs as a supercapacitive electrode. New Journal of Chemistry, 2017, 41, 10808-10814. | 2.8 | 60 |
| 63 | Electrochemical approach of chemically synthesized HgS nanoparticles as supercapacitor electrode. Materials Letters, 2017, 209, 97-101. | 2.6 | 63 |
| 64 | Synthesis and characterization of polypyrrole and its application for solar cell. Applied Physics A: Materials Science and Processing, 2017, 123, 1. | 2.3 | 21 |
| 65 | Free-standing flexible MWCNTs bucky paper: Extremely stable and energy efficient supercapacitive electrode. Electrochimica Acta, 2017, 249, 395-403. | 5.2 | 62 |
| 66 | Electroless-deposited Ag nanoparticles for highly stable energy-efficient electrochemical supercapacitor. Journal of Alloys and Compounds, 2017, 726, 1295-1303. | 5.5 | 68 |
| 67 | Two dimensional cryptomelane like growth of MoSe 2 over MWCNTs: Symmetric all-solid-state supercapacitor. Journal of Electroanalytical Chemistry, 2017, 802, 131-138. | 3.8 | 77 |
| 68 | Hexagonal VS<sub>2</sub> Anchored MWCNTs: First Approach to Design Flexible Solid-State Symmetric Supercapacitor Device. ACS Applied Materials & Interfaces, 2017, 9, 44880-44891. | 8.0 | 111 |
| 69 | Decoration of Ultrathin MoS<sub>2</sub> Nanoflakes over MWCNTs: Enhanced Supercapacitive Performance through Electrode to Symmetric Allâ€Solidâ€State Device. ChemistrySelect, 2017, 2, 10405-10412. | 1.5 | 50 |
| 70 | Chemically deposited Bi2S3:PbS solid solution thin film as supercapacitive electrode. Journal of Colloid and Interface Science, 2017, 505, 1011-1017. | 9.4 | 59 |
| 71 | Porous zinc cobaltite (ZnCo2O4) film by successive ionic layer adsorption and reaction towards solid-state symmetric supercapacitive device. Journal of Colloid and Interface Science, 2017, 487, 201-208. | 9.4 | 35 |
| 72 | SILAR deposited Bi 2 S 3 thin film towards electrochemical supercapacitor. Physica E: Low-Dimensional Systems and Nanostructures, 2017, 87, 209-212. | 2.7 | 41 |

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|---|---|---|---|
| 73 | Pseudocapacitive behavior of unidirectional CdS nanoforest in 3D architecture through solution chemistry. Chemical Physics Letters, 2016, 659, 105-111. | 2.6 | 21 |
| 74 | Nanonecklace of CdO through simple solution chemistry. Materials Science in Semiconductor Processing, 2016, 49, 81-83. | 4.0 | 10 |
| 75 | Room temperature PEDOT:PSS encapsulated MWCNTs thin film for electrochemical supercapacitor. Journal of Electroanalytical Chemistry, 2016, 771, 80-86. | 3.8 | 63 |
| 76 | MoS<sub>2</sub>ultrathin nanoflakes for high performance supercapacitors: room temperature chemical bath deposition (CBD). RSC Advances, 2016, 6, 39159-39165. | 3.6 | 123 |
| 77 | CdS surface encapsulated ZnO nanorods: Synthesis to solar cell application. Journal of Alloys and Compounds, 2016, 689, 394-400. | 5.5 | 30 |
| 78 | Novel application of non-aqueous chemical bath deposited Sb2S3 thin films as supercapacitive electrode. International Journal of Hydrogen Energy, 2016, 41, 21278-21285. | 7.1 | 26 |
| 79 | Solution-processed CdS quantum dots on TiO<sub>2</sub>: light-induced electrochemical properties. RSC Advances, 2016, 6, 83175-83184. | 3.6 | 24 |
| 80 | Vertically aligned TiO2 nanotubes: Highly stable electrochemical supercapacitor. Journal of Electroanalytical Chemistry, 2016, 780, 197-200. | 3.8 | 32 |
| 81 | Aligned 2D CuSCN nanosheets: a high performance field emitter. RSC Advances, 2016, 6, 71958-71962. | 3.6 | 12 |
| 82 | Light-induced electrochemical performance of 3D- CdS nanonetwork: Effect of annealing. Electrochimica Acta, 2016, 222, 100-107. | 5.2 | 33 |
| 83 | Cationic-exchange approach for conversion of two dimensional CdS to two dimensional Ag<sub>2</sub>S nanowires with an intermediate coreâ€“shell nanostructure towards supercapacitor application. New Journal of Chemistry, 2016, 40, 10144-10152. | 2.8 | 37 |
| 84 | Facile synthesis of Dâ€“Ï€â€“A structured dyes and their applications towards the cost effective fabrication of solar cells as well as sensing of hazardous Hg(<scp>ii</scp>). RSC Advances, 2016, 6, 106453-106464. | 3.6 | 6 |
| 85 | Straightening of chemically deposited CdS nanowires through annealing towards improved PV device performance. Ceramics International, 2016, 42, 6682-6691. | 4.8 | 31 |
| 86 | Comparative studies on MWCNTs, Fe<sub>2</sub>O<sub>3</sub> and Fe<sub>2</sub>O<sub>3</sub>/MWCNTs thin films towards supercapacitor application. New Journal of Chemistry, 2016, 40, 2619-2627. | 2.8 | 72 |
| 87 | Zinc Oxide Encapsulated Carbon Nanotube Thin Films for Energy Storage Applications. Electrochimica Acta, 2016, 192, 377-384. | 5.2 | 57 |
| 88 | First report on synthesis of ZnFe2O4 thin film using successive ionic layer adsorption and reaction: Approach towards solid-state symmetric supercapacitor device. Electrochimica Acta, 2016, 198, 203-211. | 5.2 | 118 |
| 89 | â€œBasic idea, advance approachâ€� Efficiency boost by sensitization of blended dye on chemically deposited ZnO films. Journal of Photochemistry and Photobiology A: Chemistry, 2016, 318, 135-141. | 3.9 | 22 |
| 90 | Synthesis of Dâ€“Dâ€“A-type small organic molecules with an enlarged linker system towards organic solar cells and the effect of co-adsorbents on cell performance. New Journal of Chemistry, 2016, 40, 634-640. | 2.8 | 5 |

| # | Article | IF | Citations |
|---|---|---|---|
| 91 | Anchoring cobalt oxide nanoparticles on to the surface multiwalled carbon nanotubes for improved supercapacitive performances. RSC Advances, 2015, 5, 48426-48432. | 3.6 | 42 |
| 92 | 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. Amino Acids, 2015, 47, 757-765. | 2.7 | 22 |
| 93 | SILAR coated Bi2S3 nanoparticles on vertically aligned ZnO nanorods: Synthesis and characterizations. Ceramics International, 2015, 41, 10394-10399. | 4.8 | 49 |
| 94 | One-dimensional cadmium hydroxide nanowires towards electrochemical supercapacitor. New Journal of Chemistry, 2015, 39, 9124-9131. | 2.8 | 62 |
| 95 | 1-D electron path of 3-D architecture consisting of dye loaded CdS nanowires: Dye sensitized solar cell. Journal of Alloys and Compounds, 2015, 651, 399-404. | 5.5 | 24 |
| 96 | The first report on SILAR deposited nanostructured uranyl sulphide thin films and their chemical conversion to silver sulphide. New Journal of Chemistry, 2015, 39, 8695-8702. | 2.8 | 2 |
| 97 | Nickel cobaltite as an emerging material for supercapacitors: An overview. Nano Energy, 2015, 11, 377-399. | 16.0 | 437 |
| 98 | Room temperature linker free growth of CdSe quantum dots on mesoporous TiO2: solar cell application. Ceramics International, 2015, 41, 3940-3946. | 4.8 | 8 |
| 99 | Linker free synthesis of TiO2/Bi2S3 heterostructure towards solar cell application: Facile chemical routes. Materials Science in Semiconductor Processing, 2015, 30, 335-342. | 4.0 | 20 |
| 100 | PEDOT:PSS shell on CdS nanowires: Room temperature LPG sensor. Journal of Alloys and Compounds, 2014, 592, 1-5. | 5.5 | 25 |
| 101 | Presenting highest supercapacitance for TiO2/MWNTs nanocomposites: Novel method. Chemical Engineering Journal, 2014, 247, 103-110. | 12.7 | 62 |
| 102 | Influence of processing parameters on chemically grown ZnO films with low cost Eosin-Y dye towards efficient dye sensitized solar cell. Solar Energy, 2014, 105, 445-454. | 6.1 | 38 |
| 103 | Cactus architecture of ZnO nanoparticles network through simple wet chemistry: Efficient dye sensitized solar cells. Materials Letters, 2014, 116, 91-93. | 2.6 | 22 |
| 104 | CdS nanowires with PbS nanoparticles surface coating as room temperature liquefied petroleum gas sensor. Sensors and Actuators A: Physical, 2014, 216, 78-83. | 4.1 | 40 |
| 105 | Controlled synthesis of ZnO nanostructures with assorted morphologies via simple solution chemistry. Journal of Alloys and Compounds, 2013, 551, 233-242. | 5.5 | 69 |
| 106 | Sb2S3 nanoparticles through solution chemistry on mesoporous TiO2 for solar cell application. Chemical Physics Letters, 2012, 554, 150-154. | 2.6 | 45 |
| 107 | Decoration of CdS nanoparticles on MWCNT's by simple solution chemistry. Applied Surface Science, 2012, 258, 7536-7539. | 6.1 | 15 |
| 108 | Nanobeads of zinc oxide with rhodamine B dye as a sensitizer for dye sensitized solar cell application. Journal of Alloys and Compounds, 2012, 510, 33-37. | 5.5 | 57 |

| # | Article | IF | Citations |
|---|---|---|---|
| 109 | p-PEDOT:PSS as a heterojunction partner with n-ZnO for detection of LPG at room temperature. Journal of Alloys and Compounds, 2012, 515, 80-85. | 5.5 | 35 |
| 110 | Nanocrystalline p-type-cuprous oxide thin films by room temperature chemical bath deposition method. Journal of Alloys and Compounds, 2011, 509, 5551-5554. | 5.5 | 31 |
| 111 | Room temperature chemical synthesis of highly oriented PbSe nanotubes based on negative free energy of formation. Journal of Alloys and Compounds, 2011, 509, 10066-10069. | 5.5 | 21 |
| 112 | LPG sensor based on complete inorganic n-Bi<sub>2</sub>S<sub>3</sub>-p-CuSCN heterojunction synthesized by a simple chemical route. Journal Physics D: Applied Physics, 2010, 43, 245302. | 2.8 | 28 |
| 113 | Synthesis and characterization of AgI thin films at low temperature. Journal of Alloys and Compounds, 2010, 506, 268-270. | 5.5 | 11 |
| 114 | Wet chemical synthesis of ZnO thin films and sensitization to light with N3 dye for solar cell application. Journal Physics D: Applied Physics, 2009, 42, 125108. | 2.8 | 25 |
| 115 | Synthesis of pyridine derivatives and their influence as additives on the photocurrent of dye-sensitized solar cells. Journal of Applied Electrochemistry, 2009, 39, 147-154. | 2.9 | 21 |
| 116 | Efficiency enhancement of solidâ€state dye sensitized solar cell by <i>in situ</i> deposition of CuI. Surface and Interface Analysis, 2008, 40, 1393-1396. | 1.8 | 5 |
| 117 | Electrical properties of air-stable, iodine-doped carbon-nanotubeâ€“polymer composites. Applied Physics Letters, 2007, 91, 173103. | 3.3 | 46 |
| 118 | Chemical and electrochemical synthesis of nanosized TiO2 anatase for large-area photon conversion. Comptes Rendus Chimie, 2006, 9, 702-707. | 0.5 | 44 |
| 119 | TiO2 and TiO2â€“SiO2 thin films and powders by one-step soft-solution method: Synthesis and characterizations. Solar Energy Materials and Solar Cells, 2006, 90, 1533-1541. | 6.2 | 55 |
| 120 | Synthesis and characterization of anatase-TiO2 thin films. Applied Surface Science, 2005, 239, 165-170. | 6.1 | 117 |
| 121 | Characterization of p-CuI prepared by the SILAR technique on Cu-tape/n-CuInS2 for solar cells. Thin Solid Films, 2005, 480-481, 142-146. | 1.8 | 47 |
| 122 | Preparation of nanocrystalline ZnS by a new chemical bath deposition route. Thin Solid Films, 2005, 480-481, 168-172. | 1.8 | 101 |
| 123 | Wide band gap p-type windows by CBD and SILAR methods. Thin Solid Films, 2004, 451-452, 128-132. | 1.8 | 96 |
| 124 | Chemical synthesis of Cd-free wide band gap materials for solar cells. Solar Energy Materials and Solar Cells, 2004, 83, 447-458. | 6.2 | 40 |
| 125 | Preparation and characterization of nanocrystalline CdSe thin films deposited by SILAR method. Materials Chemistry and Physics, 2003, 78, 11-14. | 4.0 | 69 |
| 126 | Photoelectrochemical characterization of Bi2Se3 thin films deposited by SILAR technique. Materials Chemistry and Physics, 2002, 73, 151-155. | 4.0 | 46 |

| # | Article | IF | Citations |
|---|---|---|---|
| 127 | Effect of annealing on chemically deposited Bi2Se3â€“Sb2Se3 composite thin films. Materials Chemistry and Physics, 2002, 74, 126-133. | 4.0 | 36 |
| 128 | Structural characterization of chemically deposited Bi2S3 and Bi2Se3 thin films. Applied Surface Science, 2002, 187, 108-115. | 6.1 | 48 |
| 129 | XRD, SEM, AFM, HRTEM, EDAX and RBS studies of chemically deposited Sb2S3 and Sb2Se3 thin films. Applied Surface Science, 2002, 193, 1-10. | 6.1 | 60 |
| 130 | Some structural studies on successive ionic layer adsorption and reaction (SILAR)-deposited CdS thin films. Applied Surface Science, 2001, 181, 277-282. | 6.1 | 58 |
| 131 | A novel method for the deposition of nanocrystalline Bi2Se3, Sb2Se3 and Bi2Se3â€“Sb2Se3 thin films â€" SILAR. Applied Surface Science, 2001, 182, 413-417. | 6.1 | 49 |
| 132 | Studies on photoelectrochemical (PEC) cell formed with SILAR deposited Bi2Se3â€“Sb2Se3 multilayer thin films. Solar Energy Materials and Solar Cells, 2001, 69, 43-52. | 6.2 | 48 |
| 133 | Photoelectrochemical characterization of chemically deposited (CdS)X(Bi2S3)1âˆ’X composite thin films. Materials Chemistry and Physics, 2001, 72, 48-55. | 4.0 | 22 |
| 134 | Photoelectrochemical investigation of Ag2S thin films deposited by SILAR method. Materials Chemistry and Physics, 2001, 72, 105-108. | 4.0 | 42 |
| 135 | Preparation and characterization of Bi2S3 thin films using modified chemical bath deposition method. Materials Research Bulletin, 2001, 36, 199-210. | 5.2 | 47 |
| 136 | A chemical method for the deposition of Bi2S3 thin films from a non-aqueous bath. Thin Solid Films, 2000, 359, 136-140. | 1.8 | 56 |
| 137 | A new chemical method for the preparation of Ag2S thin films. Materials Chemistry and Physics, 2000, 63, 226-229. | 4.0 | 47 |
| 138 | Preparation and characterization of Bi2Se3 thin films deposited by successive ionic layer adsorption and reaction (SILAR) method. Materials Chemistry and Physics, 2000, 63, 230-234. | 4.0 | 61 |
| 139 | Thickness dependent properties of chemically deposited As2S3 thin films from thioacetamide bath. Materials Chemistry and Physics, 2000, 64, 215-221. | 4.0 | 50 |
| 140 | Deposition of CdS thin films by the successive ionic layer adsorption and reaction (SILAR) method. Materials Research Bulletin, 2000, 35, 177-184. | 5.2 | 97 |
| 141 | Studies on chemically deposited nanocrystalline Bi2S3 thin films. Materials Research Bulletin, 2000, 35, 587-601. | 5.2 | 43 |
| 142 | Successive ionic layer adsorption and reaction (SILAR) method for the deposition of large area (âˆ¼10) Tj ETQq0 0 0 rgBT /Overlock 10 T | 5.2 | 84 |
| 143 | Non-aqueous chemical bath deposition of Sb2S3 thin films. Thin Solid Films, 1999, 353, 29-32. | 1.8 | 43 |
| 144 | Preparation of CdCr2S4 and HgCr2S4 thin films by chemical bath deposition. Materials Research Bulletin, 1999, 34, 2035-2042. | 5.2 | 15 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Photoelectrochemical cells based on chemically deposited nanocrystalline Bi2S3 thin films. Materials Chemistry and Physics, 1999, 60, 196-203. | 4.0 | 74 |
| 146 | Photoelectrochemical (PEC) characterization of chemically deposited Bi2S3 thin films from non-aqueous medium. Materials Chemistry and Physics, 1999, 60, 158-162. | 4.0 | 49 |
| 147 | Title is missing!. Journal of Materials Science Letters, 1999, 18, 1453-1455. | 0.5 | 34 |