

# Kishorkumar V Khot

## List of Publications by Year in descending order

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32  
papers

593  
citations

567281

15  
h-index

610901

24  
g-index

32  
all docs

32  
docs citations

32  
times ranked

653  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrothermally synthesized nanocrystalline photoactive SnS <sub>2</sub> thin films: effect of surface directing agents. <i>New Journal of Chemistry</i> , 2022, 46, 3277-3287.	2.8	2
2	An efficient Cu <sub>2</sub> Zn <sub>1-x</sub> In <sub>x</sub> Sn(S,Se) <sub>4</sub> multicomponent photocathode via one-step hydrothermal approach for thin film solar cell. <i>Journal of Materials Chemistry C</i> , 2022, 10, 3447-3460.	5.5	2
3	Surfactant assisted approach to development of efficient WO <sub>3</sub> photoanode for natural dye sensitized solar cell. <i>Solar Energy</i> , 2021, 220, 371-383.	6.1	21
4	Investigating the Role of Selenium-Ion Concentration on Optoelectronic Properties of the Cu <sub>2</sub> ZnSn(S <sub>1-x</sub> Se <sub>x</sub> ) <sub>4</sub> Thin Films. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 10868-10881.	3.7	19
5	Novel hydrothermal route for synthesis of photoactive Cu <sub>2</sub> ZnSn(S,Se) <sub>4</sub> nanocrystalline thin film: efficient photovoltaic performance. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 5441-5451.	2.2	11
6	One-step hydrothermally assisted synthesis of CuZnSe thin film: photovoltaic application. <i>Nanomaterials and Energy</i> , 2020, 9, 1-7.	0.2	13
7	Investigating the light harvesting capacity of sulfur ion concentration dependent SnS <sub>2</sub> thin films synthesized by self-assembled arrested precipitation technique. <i>Materials Research Express</i> , 2019, 6, 086467.	1.6	9
8	Development of dye sensitized TiO <sub>2</sub> thin films for efficient energy harvesting. <i>Journal of Alloys and Compounds</i> , 2019, 790, 1001-1013.	5.5	35
9	Enhancement in thermoelectric performance of Cu <sub>3</sub> SbSe <sub>4</sub> thin films by In(III) doping; synthesized by arrested precipitation technique. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 8793-8800.	2.2	10
10	Surfactant mediated synthesis of bismuth selenide thin films for photoelectrochemical solar cell applications. <i>Journal of Colloid and Interface Science</i> , 2018, 514, 250-261.	9.4	18
11	Facile hydrothermal assisted synthesis of time dependent Cu <sub>2</sub> S thin films for efficient photoelectrochemical application. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19322-19335.	2.2	12
12	Natural dye sensitized nanocomposite for efficient energy harvesting. <i>AIP Conference Proceedings</i> , 2018, , .	0.4	1
13	Deposition, characterizations and photoelectrochemical performance of nanocrystalline Cu <sub>2</sub> InCdS <sub>2</sub> Se thin films by hybrid chemical process. <i>Journal of Materials Science</i> , 2017, 52, 9709-9727.	3.7	11
14	Novel synthetic route for the synthesis of ternary Cd(SSe) photoelectrode and their photoelectrochemical application. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 2984-2995.	2.2	6
15	Novel Approach for Invention of Nubbly-Like Cd(SSe) Thin Film: Photoelectrochemical Application. <i>Macromolecular Symposia</i> , 2016, 362, 82-86.	0.7	3
16	Synthesis of Bismuth Telluride Thin Film for Thermoelectric Application Via Electrodeposition Technique. <i>Macromolecular Symposia</i> , 2016, 361, 152-155.	0.7	5
17	Photocurrent enhancement in a Cu <sub>2</sub> Cd(SSe) <sub>2</sub> photoanode synthesized via an arrested precipitation route. <i>New Journal of Chemistry</i> , 2016, 40, 3277-3288.	2.8	21
18	Rapid Formation of Ternary CdZnSe <sub>2</sub> Chalcogenide Thin Film by Microwave Assisted Chemical Bath Deposition. <i>Macromolecular Symposia</i> , 2016, 362, 60-64.	0.7	3

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19	Effect of substrate on the nanostructured Bi <sub>2</sub> Se <sub>3</sub> thin films for solar cell applications. Journal of Materials Science: Materials in Electronics, 2016, 27, 2385-2393.	2.2	33
20	Enhanced photoelectrochemical performance of novel p-type MoBiCuSe <sub>4</sub> thin films deposited by a simple surfactant-mediated solution route. RSC Advances, 2016, 6, 24985-24994.	3.6	19
21	Synthesis of (CdZn)Se thin films by a facile aqueous phase route and their photoelectrochemical performance for solar cell application. Journal of Materials Science: Materials in Electronics, 2016, 27, 5867-5877.	2.2	7
22	Efficient improvement of photoelectrochemical performance of CdSe thin film deposited via arrested precipitation technique. Materials Letters, 2016, 164, 52-55.	2.6	30
23	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
24	A facile and low cost strategy to synthesize Cd <sub>1-x</sub> Zn <sub>x</sub> Se thin films for photoelectrochemical performance: effect of zinc content. RSC Advances, 2015, 5, 55658-55668.	3.6	33
25	Novel route for the synthesis of surfactant-assisted MoBi <sub>2</sub> (Se <sub>0.5</sub> Te <sub>0.5</sub> ) <sub>5</sub> thin films for solar cell applications. New Journal of Chemistry, 2015, 39, 3405-3416.	2.8	16
26	Effect of indium(III) doping on chemosynthesized MoBi <sub>2</sub> Te <sub>5</sub> thin films and its photoresponse property. Journal of Materials Science: Materials in Electronics, 2015, 26, 2921-2930.	2.2	8
27	Synthesis, characterization and photoelectrochemical properties of PbS sensitized vertically aligned ZnO nanorods: modified aqueous route. Journal of Materials Science: Materials in Electronics, 2015, 26, 6897-6906.	2.2	19
28	An approach towards TiO <sub>2</sub> chrysanthemum flowers with tunable properties: influence of reaction time in hydrothermal process. Journal of Materials Science: Materials in Electronics, 2015, 26, 6119-6128.	2.2	7
29	High performing smart electrochromic device based on honeycomb nanostructured h-WO <sub>3</sub> thin films: hydrothermal assisted synthesis. Dalton Transactions, 2015, 44, 2788-2800.	3.3	69
30	Novel-approach for fabrication of CdS thin films for photoelectrochemical solar cell application. Journal of Materials Science: Materials in Electronics, 2014, 25, 5606-5617.	2.2	22
31	Development of nanocoral-like Cd(SSe) thin films using an arrested precipitation technique and their application. New Journal of Chemistry, 2014, 38, 5964-5974.	2.8	62
32	Single step hydrothermal synthesis of hierarchical TiO <sub>2</sub> microflowers with radially assembled nanorods for enhanced photovoltaic performance. RSC Advances, 2014, 4, 47278-47286.	3.6	40