

# Csk Ranasinghe, Chandana Sampath Ku

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5036525/publications.pdf>

Version: 2024-02-01

27  
papers

542  
citations

687363

13  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

1035  
citing authors

#	ARTICLE	IF	CITATIONS
1	Engineering fluorinated-cation containing inverted perovskite solar cells with an efficiency of >21% and improved stability towards humidity. <i>Nature Communications</i> , 2021, 12, 52.	12.8	94
2	Interfacial Manipulation by Rutile TiO <sub>2</sub> Nanoparticles to Boost CO <sub>2</sub> Reduction into CO on a Metal-Complex/Semiconductor Hybrid Photocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 23869-23877.	8.0	69
3	Preparation of bone-implants by coating hydroxyapatite nanoparticles on self-formed titanium dioxide thin-layers on titanium metal surfaces. <i>Materials Science and Engineering C</i> , 2016, 63, 172-184.	7.3	43
4	Excited-State Dynamics of Graphitic Carbon Nitride Photocatalyst and Ultrafast Electron Injection to a Ru(II) Mononuclear Complex for Carbon Dioxide Reduction. <i>Journal of Physical Chemistry C</i> , 2018, 122, 16795-16802.	3.1	39
5	Preparation of Fluoride-Doped Tin Oxide Films on Soda-Lime Glass Substrates by Atomized Spray Pyrolysis Technique and Their Subsequent Use in Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2014, 118, 16479-16485.	3.1	34
6	Clear and transparent nanocrystals for infrared-responsive carrier transfer. <i>Nature Communications</i> , 2019, 10, 406.	12.8	33
7	Visible-light CO <sub>2</sub> reduction over a ruthenium(II)-complex/C <sub>3</sub> N <sub>4</sub> hybrid photocatalyst: the promotional effect of silver species. <i>Journal of Materials Chemistry A</i> , 2018, 6, 9708-9715.	10.3	31
8	Solution-Processed Dendrimer-Based TADF Materials for Deep-Red OLEDs. <i>Macromolecules</i> , 2020, 53, 10375-10385.	4.8	25
9	Identification of Individual Electron- and Hole-Transfer Kinetics at CoO <sub>x</sub> /BiVO <sub>4</sub> /SnO <sub>2</sub> Double Heterojunctions. <i>ACS Applied Energy Materials</i> , 2020, 3, 1207-1214.	5.1	22
10	Novel Method to Improve Performance of Dye-sensitized Solar Cells Based on Quasi-solid Gel-Polymer Electrolytes. <i>Electrochimica Acta</i> , 2015, 152, 360-367.	5.2	21
11	Fabrication of robust TiO <sub>2</sub> thin films by atomized spray pyrolysis deposition for photoelectrochemical water oxidation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 358, 320-326.	3.9	17
12	An enhancement of efficiency of a solid-state dye-sensitized solar cell due to cocktail effect of N719 and black dye. <i>Optik</i> , 2014, 125, 813-815.	2.9	16
13	Vein graphite-based counter electrodes for dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 344, 78-83.	3.9	15
14	Efficient solid-state dye-sensitized n-ZnO/D-358 dye/p-CuI solar cell. <i>Electrochimica Acta</i> , 2013, 94, 34-37.	5.2	13
15	Tin oxide based dye-sensitized solid-state solar cells: surface passivation for suppression of recombination. <i>Materials Science in Semiconductor Processing</i> , 2015, 40, 890-895.	4.0	12
16	A solution-processed bis-tridentate iridium(III) complex-cored dendrimer for green OLEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 9545-9554.	5.5	10
17	CdS nanosheet-sensitized solar cells based on SnO <sub>2</sub> /MgO composite films. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 109-115.	3.9	7
18	Investigating the donor:acceptor ratio in thermally activated delayed fluorescence light-emitting macromolecules. <i>Organic Electronics</i> , 2022, 105, 106500.	2.6	6

#	ARTICLE	IF	CITATIONS
19	Properties of Dual Emissive Dendrimers Based on Thermally Activated Delayed Fluorescence Dendrons and a Phosphorescent Ir(ppy) <sub>3</sub> Core. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	6
20	A simplified approach to thermally activated delayed fluorescence (TADF) bipolar host polymers. <i>Polymer Chemistry</i> , 2022, 13, 4241-4248.	3.9	5
21	Effect of dendrimer surface groups on the properties of phosphorescent emissive films. <i>Organic Electronics</i> , 2021, 99, 106321.	2.6	4
22	Effect of dendron structure on the luminescent and charge transporting properties of solution processed dendrimer-based OLEDs. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16033-16043.	5.5	4
23	Development of Dye-Sensitized Solid-State ZnO/D <sub>149</sub> /CuSCN Solar Cell. <i>International Journal of Nanoscience</i> , 2014, 13, 1440007.	0.7	3
24	Highly Efficient SnO <sub>2</sub> /MgO Composite Film-Based Dye-Sensitized Solar Cells Sensitized with N719 and D358 Dyes. <i>International Journal of Nanoscience</i> , 2014, 13, 1440006.	0.7	3
25	Structural changes of water molecules during photoelectrochemical water oxidation on TiO <sub>2</sub> thin film electrodes. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 3388-3394.	2.8	3
26	Emissive Material Optimization for Solution-Processed Exciplex OLEDs. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4757-4767.	4.3	3
27	Thermally activated delayed fluorescence poly(dendrimer)s “ detrapping excitons for reverse intersystem crossing. <i>Journal of Materials Chemistry C</i> , 2022, 10, 8109-8124.	5.5	1