

Varun Kumar Singh

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1789802/publications.pdf>

Version: 2024-02-01

20
papers

922
citations

516710

16
h-index

752698

20
g-index

20
all docs

20
docs citations

20
times ranked

1519
citing authors

#	ARTICLE	IF	CITATIONS
1	Multigram Mechanochemical synthesis of a Salophen Complex: A Comparative Analysis. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 1152-1160.	6.7	42
2	Hydro-Assisted Self-Regenerating Brominated <i>N</i> -Alkylated Thiophene Diketopyrrolopyrrole Dye Nanofibers—A Sustainable Synthesis Route for Renewable Air Filter Materials. <i>Small</i> , 2020, 16, e1906319.	10.0	12
3	Highly Efficient and Stable Inverted Perovskite Solar Cell Obtained via Treatment by Semiconducting Chemical Additive. <i>Advanced Materials</i> , 2019, 31, e1805554.	21.0	134
4	Organic Photocatalyst for ppm-Level Visible-Light-Driven Reversible Addition–Fragmentation Chain-Transfer (RAFT) Polymerization with Excellent Oxygen Tolerance. <i>Macromolecules</i> , 2019, 52, 5538-5545.	4.8	56
5	A Mechanoresponsive Phase-Changing Electrolyte Enables Fabrication of High-Output Solid-State Photobioelectrochemical Devices from Pigment–Protein Multilayers. <i>Advanced Materials</i> , 2018, 30, 1704073.	21.0	43
6	Biohybrid Photoprotein–Semiconductor Cells with Deep-Lying Redox Shuttles Achieve a 0.7 V Photovoltage. <i>Advanced Functional Materials</i> , 2018, 28, 1703689.	14.9	42
7	Highly efficient organic photocatalysts discovered via a computer-aided-design strategy for visible-light-driven atom transfer radical polymerization. <i>Nature Catalysis</i> , 2018, 1, 794-804.	34.4	124
8	Transparent Nanofibrous Mesh Self-Assembled from Molecular LEGOs for High Efficiency Air Filtration with New Functionalities. <i>Small</i> , 2017, 13, 1601924.	10.0	31
9	Inkjet-Printable Hydrochromic Paper for Encrypting Information and Anticounterfeiting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33071-33079.	8.0	92
10	Optical, electrochemical, third order nonlinear optical, and excited state dynamics studies of bis(3,5-trifluoromethyl)phenyl-zinc phthalocyanine. <i>RSC Advances</i> , 2015, 5, 20810-20817.	3.6	15
11	—A system based on zinc porphyrin dyes for dye-sensitized solar cells: Combined experimental and DFT–TDDFT study. <i>Polyhedron</i> , 2015, 100, 313-320.	2.2	29
12	Optical, electrochemical, third-order nonlinear optical, and excited state dynamics studies of thio-zinc phthalocyanine. <i>Journal of Porphyrins and Phthalocyanines</i> , 2014, 18, 305-315.	0.8	19
13	Sterically demanding zinc(<i>scp</i>) phthalocyanines: synthesis, optical, electrochemical, nonlinear optical, excited state dynamics studies. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1711-1722.	5.5	63
14	Emerging molecular design strategies of unsymmetrical phthalocyanines for dye-sensitized solar cell applications. <i>RSC Advances</i> , 2014, 4, 6970.	3.6	94
15	Near-infrared absorbing unsymmetrical Zn(II) phthalocyanine for dye-sensitized solar cells. <i>Inorganica Chimica Acta</i> , 2013, 407, 289-296.	2.4	21
16	Sterically demanded unsymmetrical zinc phthalocyanines for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2013, 98, 518-529.	3.7	40
17	Organic-Ruthenium(II) Polypyridyl Complex Based Sensitizer for Dye-Sensitized Solar Cell Applications. <i>Advances in OptoElectronics</i> , 2011, 2011, 1-8.	0.6	11
18	Synthesis and photoelectrochemical characterization of a high molar extinction coefficient heteroleptic ruthenium(II) complex. <i>Journal of Chemical Sciences</i> , 2011, 123, 371-378.	1.5	20

#	ARTICLE	IF	CITATIONS
19	Triphenylamine- <i>phthalocyanine</i> based sensitizer for sensitization of nanocrystalline TiO ₂ films. <i>Solar Energy</i> , 2011, 85, 1204-1212.	6.1	33
20	Grain Rotation and Grain Boundary Selection in Thin Films. <i>Materials Research Society Symposia Proceedings</i> , 1996, 458, 301.	0.1	1