

Vishnu Shanker

List of Publications by Year in descending order

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36
papers

3,061
citations

304602

22
h-index

377752

34
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36
docs citations

36
times ranked

4198
citing authors

#	ARTICLE	IF	CITATIONS
1	Solar-light responsive efficient H ₂ evolution using a novel ternary hierarchical SrTiO ₃ /CdS/carbon nanospheres photocatalytic system. <i>Journal of Nanostructure in Chemistry</i> , 2022, 12, 179-191.	5.3	11
2	High potential and robust ternary LaFeO ₃ /CdS/carbon quantum dots nanocomposite for photocatalytic H ₂ evolution under sunlight illumination. <i>Journal of Colloid and Interface Science</i> , 2021, 583, 255-266.	5.0	73
3	Wastewater Treatment by Photocatalytic Biosynthesized Nanoparticles. , 2021, , 3135-3157.		2
4	Development of versatile CdMoO ₄ /g-C ₃ N ₄ nanocomposite for enhanced photoelectrochemical oxygen evolution reaction and photocatalytic dye degradation applications. <i>Materials Today Chemistry</i> , 2021, 19, 100392.	1.7	35
5	A facile soft-template synthetic approach of surface integrated nitrogen-rich carbon nanospheres for light-weight supercapacitors. <i>Journal of Molecular Structure</i> , 2021, 1229, 129788.	1.8	6
6	Facile Fabrication of Novel SrMoO ₄ /g-C ₃ N ₄ Hybrid Composite for High-Performance Photocatalytic Degradation of Dye Pollutant under Sunlight. <i>ChemistrySelect</i> , 2021, 6, 7711-7721.	0.7	4
7	Microwave-assisted synthesis of ZnAl-LDH/g-C ₃ N ₄ composite for degradation of antibiotic ciprofloxacin under visible-light illumination. <i>Chemosphere</i> , 2021, 283, 131182.	4.2	25
8	A Novel Strategy for Sustainable Synthesis of Soluble Graphene by a Herb <i>Delphinium denudatum</i> Root Extract for Use as Light-Weight Supercapacitors. <i>ChemistrySelect</i> , 2020, 5, 2701-2709.	0.7	5
9	Wastewater Treatment by Photocatalytic Biosynthesized Nanoparticles. , 2020, , 1-23.		0
10	Ferroelectric and piezoelectric properties of Ba _{0.85} Ca _{0.15} Ti _{0.90} Zr _{0.10} O ₃ films in 200 nm thickness range. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1277-1286.	1.9	15
11	Solar-Light Harvesting Bimetallic Ag/Au Decorated Graphene Plasmonic System with Efficient Photoelectrochemical Performance for the Enhanced Water Reduction Process. <i>ACS Applied Nano Materials</i> , 2019, 2, 4782-4792.	2.4	33
12	Novel and Highly Efficient Strategy for the Green Synthesis of Soluble Graphene by Aqueous Polyphenol Extracts of Eucalyptus Bark and Its Applications in High-Performance Supercapacitors. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 11612-11620.	3.2	57
13	Superior energy storage performance and fatigue resistance in ferroelectric BCZT thin films grown in an oxygen-rich atmosphere. <i>Journal of Materials Chemistry C</i> , 2019, 7, 7073-7082.	2.7	51
14	Fabrication of a novel ZnIn ₂ S ₄ /g-C ₃ N ₄ /graphene ternary nanocomposite with enhanced charge separation for efficient photocatalytic H ₂ evolution under solar light illumination. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 2952-2964.	1.6	36
15	In Situ Generation of Copper Nanoparticles by Rongalite and Their Use as Catalyst for Click Chemistry in Water. <i>ChemistrySelect</i> , 2018, 3, 13759-13764.	0.7	18
16	Synthesis, Structural, Biological Evaluation, Molecular Docking and DFT Studies of Co(II), Ni(II), Cu(II), Zn(II), Cd(II) and Hg(II) Complexes bearing Heterocyclic Thiosemicarbazone ligand. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4415.	1.7	45
17	Microwave sintered lead free ferroelectric BZT-50BCT ceramics with higher Curie temperature and improved dielectric properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 12451-12456.	1.1	4
18	Facile synthesis of noble-metal free polygonal Zn ₂ TiO ₄ nanostructures for highly efficient photocatalytic hydrogen evolution under solar light irradiation. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 13145-13157.	3.8	30

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19	Surface plasmon resonance-induced photocatalysis by Au nanoparticles decorated mesoporous g-C ₃ N ₄ nanosheets under direct sunlight irradiation. <i>Materials Research Bulletin</i> , 2016, 75, 51-58.	2.7	74
20	In situ growth strategy for highly efficient Ag ₂ CO ₃ /g-C ₃ N ₄ hetero/nanojunctions with enhanced photocatalytic activity under sunlight irradiation. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 852-861.	3.3	53
21	g-C ₃ N ₄ /NaTaO ₃ organic-inorganic hybrid nanocomposite: High-performance and recyclable visible light driven photocatalyst. <i>Materials Research Bulletin</i> , 2014, 49, 310-318.	2.7	53
22	Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C ₃ N ₄ photocatalyst via facile template-free sonochemical route. <i>RSC Advances</i> , 2014, 4, 8132.	1.7	68
23	Influence of La-doping on phase transformation and photocatalytic properties of ZnTiO ₃ nanoparticles synthesized via modified sol-gel method. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 728-735.	1.3	93
24	Synthesis of Cr and La-codoped SrTiO ₃ nanoparticles for enhanced photocatalytic performance under sunlight irradiation. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23819-23828.	1.3	88
25	Fe-doped and -mediated graphitic carbon nitride nanosheets for enhanced photocatalytic performance under natural sunlight. <i>Journal of Materials Chemistry A</i> , 2014, 2, 6772.	5.2	536
26	Synthesis of novel and stable g-C ₃ N ₄ /N-doped SrTiO ₃ hybrid nanocomposites with improved photocurrent and photocatalytic activity under visible light irradiation. <i>Dalton Transactions</i> , 2014, 43, 16105-16114.	1.6	105
27	Cost-effective and eco-friendly synthesis of novel and stable N-doped ZnO/g-C ₃ N ₄ core-shell nanoplates with excellent visible-light responsive photocatalysis. <i>Nanoscale</i> , 2014, 6, 4830.	2.8	433
28	Template-free and eco-friendly synthesis of hierarchical Ag ₃ PO ₄ microcrystals with sharp corners and edges for enhanced photocatalytic activity under visible light. <i>Materials Letters</i> , 2014, 123, 172-175.	1.3	22
29	Synthesis of Magnetically Separable and Recyclable g-C ₃ N ₄ -Fe ₃ O ₄ Hybrid Nanocomposites with Enhanced Photocatalytic Performance under Visible-Light Irradiation. <i>Journal of Physical Chemistry C</i> , 2013, 117, 26135-26143.	1.5	358
30	Synthesis of a novel and stable g-C ₃ N ₄ -Ag ₃ PO ₄ hybrid nanocomposite photocatalyst and study of the photocatalytic activity under visible light irradiation. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5333.	5.2	584
31	Hierarchical ZnO rod like architecture synthesized via reverse micellar route for improved photocatalytic activity. <i>Materials Letters</i> , 2013, 101, 33-36.	1.3	6
32	Dielectric behaviour of sodium and potassium doped magnesium titanate. <i>Bulletin of Materials Science</i> , 2012, 35, 1165-1171.	0.8	6
33	Nanocrystalline NaNbO ₃ and NaTaO ₃ : Rietveld studies, Raman spectroscopy and dielectric properties. <i>Solid State Sciences</i> , 2009, 11, 562-569.	1.5	96
34	Sintered compacts of nano and micron-sized BaTiO ₃ : Dramatic influence on the microstructure and dielectric properties. <i>Journal of Materials Research</i> , 2006, 21, 816-822.	1.2	7
35	Investigation of Ba _{2-x} Sr _x TiO ₄ : Structural aspects and dielectric properties. <i>Bulletin of Materials Science</i> , 2004, 27, 421-427.	0.8	17
36	Comparative study of dielectric properties of MgNb ₂ O ₆ prepared by molten salt and ceramic method. <i>Bulletin of Materials Science</i> , 2003, 26, 741-744.	0.8	12