

# Vishnu Shanker

## List of Publications by Year in descending order

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36  
papers

3,061  
citations

304368

22  
h-index

377514

34  
g-index

36  
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36  
docs citations

36  
times ranked

4198  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of a novel and stable g-C <sub>3</sub> N <sub>4</sub> @Ag <sub>3</sub> PO <sub>4</sub> hybrid nanocomposite photocatalyst and study of the photocatalytic activity under visible light irradiation. Journal of Materials Chemistry A, 2013, 1, 5333.	5.2	584
2	Fe-doped and -mediated graphitic carbon nitride nanosheets for enhanced photocatalytic performance under natural sunlight. Journal of Materials Chemistry A, 2014, 2, 6772.	5.2	536
3	Cost-effective and eco-friendly synthesis of novel and stable N-doped ZnO/g-C <sub>3</sub> N <sub>4</sub> core-shell nanoplates with excellent visible-light responsive photocatalysis. Nanoscale, 2014, 6, 4830.	2.8	433
4	Synthesis of Magnetically Separable and Recyclable g-C <sub>3</sub> N <sub>4</sub> @Fe <sub>3</sub> O <sub>4</sub> Hybrid Nanocomposites with Enhanced Photocatalytic Performance under Visible-Light Irradiation. Journal of Physical Chemistry C, 2013, 117, 26135-26143.	1.5	358
5	Synthesis of novel and stable g-C <sub>3</sub> N <sub>4</sub> /N-doped SrTiO <sub>3</sub> hybrid nanocomposites with improved photocurrent and photocatalytic activity under visible light irradiation. Dalton Transactions, 2014, 43, 16105-16114.	1.6	105
6	Nanocrystalline NaNbO <sub>3</sub> and NaTaO <sub>3</sub> : Rietveld studies, Raman spectroscopy and dielectric properties. Solid State Sciences, 2009, 11, 562-569.	1.5	96
7	Influence of La-doping on phase transformation and photocatalytic properties of ZnTiO <sub>3</sub> nanoparticles synthesized via modified sol-gel method. Physical Chemistry Chemical Physics, 2014, 16, 728-735.	1.3	93
8	Synthesis of Cr and La-codoped SrTiO <sub>3</sub> nanoparticles for enhanced photocatalytic performance under sunlight irradiation. Physical Chemistry Chemical Physics, 2014, 16, 23819-23828.	1.3	88
9	Surface plasmon resonance-induced photocatalysis by Au nanoparticles decorated mesoporous g-C <sub>3</sub> N <sub>4</sub> nanosheets under direct sunlight irradiation. Materials Research Bulletin, 2016, 75, 51-58.	2.7	74
10	High potential and robust ternary LaFeO <sub>3</sub> /CdS/carbon quantum dots nanocomposite for photocatalytic H <sub>2</sub> evolution under sunlight illumination. Journal of Colloid and Interface Science, 2021, 583, 255-266.	5.0	73
11	Synthesis of highly efficient and recyclable visible-light responsive mesoporous g-C <sub>3</sub> N <sub>4</sub> photocatalyst via facile template-free sonochemical route. RSC Advances, 2014, 4, 8132.	1.7	68
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. ACS Sustainable Chemistry and Engineering, 2019, 7, 11612-11620.	3.2	57
13	g-C <sub>3</sub> N <sub>4</sub> /NaTaO <sub>3</sub> organic-inorganic hybrid nanocomposite: High-performance and recyclable visible light driven photocatalyst. Materials Research Bulletin, 2014, 49, 310-318.	2.7	53
14	In situ growth strategy for highly efficient Ag <sub>2</sub> CO <sub>3</sub> /g-C <sub>3</sub> N <sub>4</sub> hetero/nanojunctions with enhanced photocatalytic activity under sunlight irradiation. Journal of Environmental Chemical Engineering, 2015, 3, 852-861.	3.3	53
15	Superior energy storage performance and fatigue resistance in ferroelectric BCZT thin films grown in an oxygen-rich atmosphere. Journal of Materials Chemistry C, 2019, 7, 7073-7082.	2.7	51
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. Applied Organometallic Chemistry, 2018, 32, e4415.	1.7	45
17	Fabrication of a novel ZnIn <sub>2</sub> S <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> /graphene ternary nanocomposite with enhanced charge separation for efficient photocatalytic H <sub>2</sub> evolution under solar light illumination. Photochemical and Photobiological Sciences, 2019, 18, 2952-2964.	1.6	36
18	Development of versatile CdMoO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> nanocomposite for enhanced photoelectrochemical oxygen evolution reaction and photocatalytic dye degradation applications. Materials Today Chemistry, 2021, 19, 100392.	1.7	35

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19	Solar-Light Harvesting Bimetallic Ag/Au Decorated Graphene Plasmonic System with Efficient Photoelectrochemical Performance for the Enhanced Water Reduction Process. ACS Applied Nano Materials, 2019, 2, 4782-4792.	2.4	33
20	Facile synthesis of noble-metal free polygonal Zn <sub>2</sub> TiO <sub>4</sub> nanostructures for highly efficient photocatalytic hydrogen evolution under solar light irradiation. International Journal of Hydrogen Energy, 2018, 43, 13145-13157.	3.8	30
21	Microwave-assisted synthesis of ZnAl-LDH/g-C <sub>3</sub> N <sub>4</sub> composite for degradation of antibiotic ciprofloxacin under visible-light illumination. Chemosphere, 2021, 283, 131182.	4.2	25
22	Template-free and eco-friendly synthesis of hierarchical Ag <sub>3</sub> PO <sub>4</sub> microcrystals with sharp corners and edges for enhanced photocatalytic activity under visible light. Materials Letters, 2014, 123, 172-175.	1.3	22
23	In Situ Generation of Copper Nanoparticles by Rongalite and Their Use as Catalyst for Click Chemistry in Water. ChemistrySelect, 2018, 3, 13759-13764.	0.7	18
24	Investigation of Ba <sub>2-x</sub> Sr <sub>x</sub> TiO <sub>4</sub> : Structural aspects and dielectric properties. Bulletin of Materials Science, 2004, 27, 421-427.	0.8	17
25	Ferroelectric and piezoelectric properties of Ba <sub>0.85</sub> Ca <sub>0.15</sub> Ti <sub>0.90</sub> Zr <sub>0.10</sub> O <sub>3</sub> films in 200 nm thickness range. Journal of the American Ceramic Society, 2019, 102, 1277-1286.	1.9	15
26	Comparative study of dielectric properties of MgNb <sub>2</sub> O <sub>6</sub> prepared by molten salt and ceramic method. Bulletin of Materials Science, 2003, 26, 741-744.	0.8	12
27	Solar-light responsive efficient H <sub>2</sub> evolution using a novel ternary hierarchical SrTiO <sub>3</sub> /CdS/carbon nanospheres photocatalytic system. Journal of Nanostructure in Chemistry, 2022, 12, 179-191.	5.3	11
28	Sintered compacts of nano and micron-sized BaTiO <sub>3</sub> : Dramatic influence on the microstructure and dielectric properties. Journal of Materials Research, 2006, 21, 816-822.	1.2	7
29	Dielectric behaviour of sodium and potassium doped magnesium titanate. Bulletin of Materials Science, 2012, 35, 1165-1171.	0.8	6
30	Hierarchical ZnO rod like architecture synthesized via reverse micellar route for improved photocatalytic activity. Materials Letters, 2013, 101, 33-36.	1.3	6
31	A facile soft-template synthetic approach of surface integrated nitrogen-rich carbon nanospheres for light-weight supercapacitors. Journal of Molecular Structure, 2021, 1229, 129788.	1.8	6
32	A Novel Strategy for Sustainable Synthesis of Soluble Graphene by a Herb Delphinium denudatum Root Extract for Use as Light Weight Supercapacitors. ChemistrySelect, 2020, 5, 2701-2709.	0.7	5
33	Microwave sintered lead free ferroelectric BZT-50BCT ceramics with higher Curie temperature and improved dielectric properties. Journal of Materials Science: Materials in Electronics, 2018, 29, 12451-12456.	1.1	4
34	Facile Fabrication of Novel SrMoO <sub>4</sub> /g-C <sub>3</sub> N <sub>4</sub> Hybrid Composite for High Performance Photocatalytic Degradation of Dye Pollutant under Sunlight. ChemistrySelect, 2021, 6, 7711-7721.	0.7	4
35	Wastewater Treatment by Photocatalytic Biosynthesized Nanoparticles. , 2021, , 3135-3157.		2
36	Wastewater Treatment by Photocatalytic Biosynthesized Nanoparticles. , 2020, , 1-23.		0