

# Suneel Kumar

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

2,281  
citations

218677

26  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

2565  
citing authors

#	ARTICLE	IF	CITATIONS
1	Sea urchin shaped ZnO coupled with MoS <sub>2</sub> and polyaniline as highly efficient photocatalysts for organic pollutant decomposition and hydrogen evolution. <i>Ceramics International</i> , 2021, 47, 10301-10313.	4.8	42
2	Gold-carbonaceous materials based heterostructures for gas sensing applications. <i>RSC Advances</i> , 2021, 11, 13674-13699.	3.6	6
3	Nanoscale zinc oxide based heterojunctions as visible light active photocatalysts for hydrogen energy and environmental remediation. <i>Catalysis Reviews - Science and Engineering</i> , 2020, 62, 346-405.	12.9	90
4	Cascade Reaction-Based Chemiresistive Array for Ethylene Sensing. <i>ACS Sensors</i> , 2020, 5, 1405-1410.	7.8	17
5	Defect-Rich MoS <sub>2</sub> Ultrathin Nanosheets-Coated Nitrogen-Doped ZnO Nanorod Heterostructures: An Insight into in-Situ-Generated ZnS for Enhanced Photocatalytic Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2019, 2, 5622-5634.	5.1	109
6	Perovskite-Based Materials for Photocatalytic Environmental Remediation. <i>Environmental Chemistry for A Sustainable World</i> , 2019, , 139-165.	0.5	10
7	Fabrication of nanoheterostructures of boron doped ZnO-MoS <sub>2</sub> with enhanced photostability and photocatalytic activity for environmental remediation applications. <i>Vacuum</i> , 2019, 163, 88-98.	3.5	49
8	Wide spectrum photocatalytic activity in lanthanide-doped upconversion nanophosphors coated with porous TiO <sub>2</sub> and Ag-Cu bimetallic nanoparticles. <i>Journal of Hazardous Materials</i> , 2019, 367, 694-705.	12.4	90
9	2D-2D Nanocomposite of MoS <sub>2</sub> -Graphitic Carbon Nitride as Multifunctional Catalyst for Sustainable Synthesis of C <sub>3</sub> -Functionalized Indoles. <i>ChemCatChem</i> , 2018, 10, 3121-3132.	3.7	33
10	ZnO-graphene quantum dots heterojunctions for natural sunlight-driven photocatalytic environmental remediation. <i>Applied Surface Science</i> , 2018, 447, 802-815.	6.1	123
11	Highly Efficient Visible Light Active 2D-2D Nanocomposites of NaZnO <sub>2</sub> @g-C <sub>3</sub> N <sub>4</sub> for Photocatalytic Degradation of Diverse Industrial Pollutants. <i>ChemistrySelect</i> , 2018, 3, 1919-1932.	1.5	84
12	Rational Design and Development of Lanthanide-Doped NaYF <sub>4</sub> @CdS@Au-RGO as Quaternary Plasmonic Photocatalysts for Harnessing Visible-Near-Infrared Broadband Spectrum. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 15565-15581.	8.0	156
13	Towards utilization of full solar light spectrum using green plasmonic Au-TiO <sub>x</sub> photocatalyst at ambient conditions. <i>Surfaces and Interfaces</i> , 2018, 11, 98-106.	3.0	50
14	Two dimensional N-doped ZnO-graphitic carbon nitride nanosheets heterojunctions with enhanced photocatalytic hydrogen evolution. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 3988-4002.	7.1	123
15	A metal-organic framework based multifunctional catalytic platform for organic transformation and environmental remediation. <i>Dalton Transactions</i> , 2018, 47, 1488-1497.	3.3	58
16	Perovskite-structured CaTiO <sub>3</sub> coupled with g-C <sub>3</sub> N <sub>4</sub> as a heterojunction photocatalyst for organic pollutant degradation. <i>Beilstein Journal of Nanotechnology</i> , 2018, 9, 671-685.	2.8	116
17	Sunlight driven photocatalytic reduction of 4-nitrophenol on Pt decorated ZnO-RGO nanoheterostructures. <i>Materials Chemistry and Physics</i> , 2018, 214, 364-376.	4.0	64
18	Enhancement of Luminescence Intensity in Red Emitting NaYF <sub>4</sub> :Yb/Ho/Mn Upconversion Nanophosphors by Variation of Reaction Parameters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11783-11793.	3.1	57

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19	Multifunctional Cu/Ag quantum dots on TiO <sub>2</sub> nanotubes as highly efficient photocatalysts for enhanced solar hydrogen evolution. <i>Journal of Catalysis</i> , 2017, 350, 226-239.	6.2	103
20	Amorphous titania matrix impregnated with Ag nanoparticles as a highly efficient visible- and sunlight-active photocatalyst material. <i>Materials Technology</i> , 2017, 32, 461-471.	3.0	11
21	N-doped ZnO@MoS <sub>2</sub> binary heterojunctions: the dual role of 2D MoS <sub>2</sub> in the enhancement of photostability and photocatalytic activity under visible light irradiation for tetracycline degradation. <i>Materials Chemistry Frontiers</i> , 2017, 1, 1093-1106.	5.9	125
22	Recyclable, bifunctional composites of perovskite type N-CaTiO <sub>3</sub> and reduced graphene oxide as an efficient adsorptive photocatalyst for environmental remediation. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2391-2404.	5.9	124
23	Efficient Electron Transfer across a ZnO@MoS <sub>2</sub> @Reduced Graphene Oxide Heterojunction for Enhanced Sunlight-Driven Photocatalytic Hydrogen Evolution. <i>ChemSusChem</i> , 2017, 10, 3588-3603.	6.8	162
24	Nanocomposite of MoS <sub>2</sub> -RGO as Facile, Heterogeneous, Recyclable, and Highly Efficient Green Catalyst for One-Pot Synthesis of Indole Alkaloids. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 8551-8567.	6.7	82
25	Near-infrared driven photocatalytic performance of lanthanide-doped NaYF <sub>4</sub> @CdS core-shell nanostructures with enhanced upconversion properties. <i>Journal of Alloys and Compounds</i> , 2017, 724, 481-491.	5.5	49
26	Two-dimensional carbon-based nanocomposites for photocatalytic energy generation and environmental remediation applications. <i>Beilstein Journal of Nanotechnology</i> , 2017, 8, 1571-1600.	2.8	119
27	Role of RGO support and irradiation source on the photocatalytic activity of CdS@ZnO semiconductor nanostructures. <i>Beilstein Journal of Nanotechnology</i> , 2016, 7, 1684-1697.	2.8	42
28	Synergetic effect of MoS <sub>2</sub> @RGO doping to enhance the photocatalytic performance of ZnO nanoparticles. <i>New Journal of Chemistry</i> , 2016, 40, 5185-5197.	2.8	123
29	Shape Selective Au-TiO <sub>2</sub> Nanocomposites for Photocatalytic Applications. <i>Materials Today: Proceedings</i> , 2016, 3, 1939-1948.	1.8	10
30	Clustered Au on TiO <sub>2</sub> Snowman-Like Nanoassemblies for Photocatalytic Applications. <i>ChemistrySelect</i> , 2016, 1, 2963-2970.	1.5	28
31	Homogeneously embedded Pt nanoclusters on amorphous titania matrix as highly efficient visible light active photocatalyst material. <i>Materials Chemistry and Physics</i> , 2016, 179, 129-136.	4.0	26