

# Venkatesan jayaraman

## List of Publications by Year in descending order

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19  
papers

569  
citations

687363

13  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

569  
citing authors

#	ARTICLE	IF	CITATIONS
1	Inverse spinel NiFe <sub>2</sub> O <sub>4</sub> deposited g-C <sub>3</sub> N <sub>4</sub> nanosheet for enhanced visible light photocatalytic activity. <i>Materials Science in Semiconductor Processing</i> , 2019, 100, 87-97.	4.0	101
2	Photocatalytic degradation of metronidazole and methylene blue by PVA-assisted Bi <sub>2</sub> WO <sub>6</sub> @CdS nanocomposite film under visible light irradiation. <i>Applied Nanoscience (Switzerland)</i> , 2018, 8, 61-78.	3.1	69
3	Magnetic binary metal oxide intercalated g-C <sub>3</sub> N <sub>4</sub> : Energy band tuned p-n heterojunction towards Z-scheme photo-Fenton phenol reduction and mixed dye degradation. <i>Journal of Water Process Engineering</i> , 2019, 32, 100968.	5.6	46
4	CdZnS solid solution supported Ce <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> pyrochlore photocatalyst that proves to be an efficient candidate towards the removal of organic pollutants. <i>Separation and Purification Technology</i> , 2019, 224, 405-420.	7.9	42
5	Facile preparation of novel Sb <sub>2</sub> S <sub>3</sub> nanoparticles/rod-like $\text{I}\pm\text{-Ag}_2\text{WO}_4$ heterojunction photocatalysts: Continuous modulation of band structure towards the efficient removal of organic contaminants. <i>Separation and Purification Technology</i> , 2020, 236, 116302.	7.9	39
6	Fabrication of tantalum doped CdS nanoparticles for enhanced photocatalytic degradation of organic dye under visible light exposure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 580, 123688.	4.7	37
7	One-step hydrothermal synthesis of CaWO <sub>4</sub> / $\text{I}\pm\text{-Ag}_2\text{WO}_4$ heterojunction: An efficient photocatalyst for removal of organic contaminants. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104693.	4.0	36
8	Enhancement of photocatalytic degradation of methylene blue under visible light using transparent Mg-doped CdS@PVA nanocomposite films. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 13990-13999.	2.2	32
9	Synergistic effect of band edge potentials on BiFeO <sub>3</sub> /V <sub>2</sub> O <sub>5</sub> composite: Enhanced photo catalytic activity. <i>Journal of Environmental Management</i> , 2019, 247, 104-114.	7.8	28
10	Fabrication of CdS PbWO <sub>4</sub> nanocomposite to improve the photocatalytic degradation efficiency of methylene blue under visible light irradiation. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 129, 261-269.	4.0	24
11	Interfacial coupling effect of high surface area Pyrochlore like Ce <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> over 2D g-C <sub>3</sub> N <sub>4</sub> sheet photoactive material for efficient removal of organic pollutants. <i>Separation and Purification Technology</i> , 2020, 235, 116242.	7.9	24
12	Bridging and synergistic effect of the pyrochlore like Bi <sub>2</sub> Zr <sub>2</sub> O <sub>7</sub> structure with robust CdCuS solid solution for durable photocatalytic removal of the organic pollutants. <i>RSC Advances</i> , 2020, 10, 8880-8894.	3.6	18
13	An Efficient Photocatalytic and Antibacterial Performance of Ni/Ce@Codoped CdS Nanostructure under Visible Light Irradiation. <i>ChemistrySelect</i> , 2018, 3, 9259-9267.	1.5	14
14	Facile preparation of bismuth vanadate-sheet/carbon nitride rod-like interface photocatalyst for efficient degradation of model organic pollutant under direct sunlight irradiation. <i>Chemosphere</i> , 2022, 287, 132055.	8.2	14
15	Optical, photocatalytic properties of novel pyro- stannate A <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> (A=Ce, Ca, Sr), and Pt deposited (SrCe) <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> for the removal of organic pollutants under direct solar light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2019, 104, 104647.	4.0	12
16	Preparation and characterization of the Cu, Fe co-doped Bi <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> /EG-g-C <sub>3</sub> N <sub>4</sub> material for organic model pollutants removal under direct sun light irradiation. <i>Materials Research Bulletin</i> , 2021, 143, 111439.	5.2	11
17	Assembly of mixed Bi <sub>4</sub> V <sub>1.4</sub> Nb <sub>0.6</sub> O <sub>11</sub> phase and g-C <sub>3</sub> N <sub>4</sub> photoactive material over rGO: Enhanced organic model pollutants removal under sun light irradiation. <i>Materials Science in Semiconductor Processing</i> , 2021, 124, 105611.	4.0	8
18	Copper ions induced $\text{I}\pm\text{-Ag}_2\text{@}2\text{xCu}_x\text{WO}_4$ (0 $\leq$ x $\leq$ 0.12) solid solutions with favorable sunlight photocatalytic removal of toxic pollutants. <i>Journal of Alloys and Compounds</i> , 2021, 871, 159530.	5.5	8

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19	Ag, Ni bimetallic supported g-C <sub>3</sub> N <sub>4</sub> 2D/Cd <sub>2</sub> Sb <sub>2</sub> O <sub>6</sub> .8 pyrochlore interface photocatalyst for efficient removal of organic pollutants. Journal of Materials Science: Materials in Electronics, 2020, 31, 11247-11267.	2.2	6