

Puttaswamy Madhusudan

List of Publications by Year in descending order

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28
papers

1,382
citations

471371

17
h-index

526166

27
g-index

28
all docs

28
docs citations

28
times ranked

1967
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel urea assisted hydrothermal synthesis of hierarchical BiVO ₄ /Bi ₂ O ₂ CO ₃ nanocomposites with enhanced visible-light photocatalytic activity. Applied Catalysis B: Environmental, 2011, 110, 286-295.	10.8	392
2	Facile synthesis of novel hierarchical graphene@Bi ₂ O ₂ CO ₃ composites with enhanced photocatalytic performance under visible light. Dalton Transactions, 2012, 41, 14345.	1.6	172
3	Construction of highly efficient Z-scheme ZnxCd1-xS/Au@g-C ₃ N ₄ ternary heterojunction composite for visible-light-driven photocatalytic reduction of CO ₂ to solar fuel. Applied Catalysis B: Environmental, 2021, 282, 119600.	10.8	129
4	Photocatalytic degradation of organic dyes with hierarchical Bi ₂ O ₃ /CO ₂ microstructures under visible-light. CrystEngComm, 2013, 15, 231-240.	1.3	117
5	Nature inspired ZnO/ZnS nanobranh-like composites, decorated with Cu(OH) ₂ clusters for enhanced visible-light photocatalytic hydrogen evolution. Applied Catalysis B: Environmental, 2019, 253, 379-390.	10.8	90
6	Single-electrode triboelectric nanogenerator based on economical graphite coated paper for harvesting waste environmental energy. Nano Energy, 2019, 66, 104141.	8.2	71
7	Graphene-Zn _{0.5} Cd _{0.5} S nanocomposite with enhanced visible-light photocatalytic CO ₂ reduction activity. Applied Surface Science, 2020, 506, 144683.	3.1	48
8	Fabrication of CdMoO ₄ @CdS core-shell hollow superstructures as high performance visible-light driven photocatalysts. Physical Chemistry Chemical Physics, 2015, 17, 15339-15347.	1.3	47
9	One-pot template-free synthesis of porous CdMoO ₄ microspheres and their enhanced photocatalytic activity. Applied Surface Science, 2016, 387, 202-213.	3.1	39
10	Hydrothermal synthesis of meso/macroporous BiVO ₄ hierarchical particles and their photocatalytic degradation properties under visible light irradiation. Environmental Science and Pollution Research, 2013, 20, 6638-6645.	2.7	36
11	Hierarchical heterostructured nickle foam-supported Co ₃ S ₄ nanorod arrays embellished with edge-exposed MoS ₂ nanoflakes for enhanced alkaline hydrogen evolution reaction. Materials Today Energy, 2020, 18, 100513.	2.5	34
12	Long phosphorescent Ca ₂ SnO ₄ with minuscule rare earth dopant concentration. Dalton Transactions, 2013, 42, 4781.	1.6	33
13	Sonochemical synthesis of graphitic carbon nitride-manganese oxide interfaces for enhanced photocatalytic degradation of tetracycline hydrochloride. Environmental Science and Pollution Research, 2021, 28, 4778-4789.	2.7	30
14	Hydrothermal synthesis and characterization of micro to nano sized carbon particles. Journal of Materials Science, 2006, 41, 1465-1469.	1.7	26
15	Preparation of affordable and multifunctional clay-based ceramic filter matrix for treatment of drinking water. Environmental Technology (United Kingdom), 2019, 40, 1633-1643.	1.2	23
16	Bio-inspired honeycomb-like graphitic carbon nitride for enhanced visible light photocatalytic CO ₂ reduction activity. Environmental Science and Pollution Research, 2020, 27, 22604-22618.	2.7	23
17	Highly Efficient Visible-Light-Driven Photocatalytic Hydrogen Production Using Robust Noble-Metal-Free Zn _{0.5} Cd _{0.5} S@Graphene Composites Decorated with MoS ₂ Nanosheets. Advanced Materials Interfaces, 2020, 7, 2000010.	1.9	21
18	Investigation on the effect of power and velocity of laser beam welding on the butt weld joint on TRIP steel. Journal of Laser Applications, 2020, 32, .	0.8	9

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19	HIV Infection and Host Genetic Mutation among Injecting Drug-users of Northeastern States of India. Journal of Health, Population and Nutrition, 2010, 28, 130-6.	0.7	8
20	Formation of filamentous carbon through dissociation of chromium carbide under hydrothermal conditions. Journal of Materials Science, 2008, 43, 2153-2157.	1.7	6
21	Synthesis of rare earth-doped yttrium vanadate polyscale crystals and their enhanced photocatalytic degradation of aqueous dye solution. International Journal of Environmental Science and Technology, 2018, 15, 427-440.	1.8	6
22	Supercritical hydrothermal synthesis of polycrystalline gadolinium aluminum perovskite materials (GdAlO ₃ , GAP). AIMS Materials Science, 2017, 4, 540-550.	0.7	6
23	Synthesis and characterization of calcium aluminum silicate hydroxide (CASH) mineral. Journal of Materials Science, 2006, 41, 1395-1398.	1.7	4
24	An Investigation on Laser Welding Parameters on the Strength of TRIP Steel. Strojnicki Vestnik/Journal of Mechanical Engineering, 2021, 67, 45-52.	0.6	4
25	Hydrothermal synthesis of sp ³ bonded carbon from $\hat{2}$ -SiC ^o organic compound system. Materials Research Innovations, 2010, 14, 27-33.	1.0	3
26	Synthesis and Photoluminescence Studies of Eu ³⁺ Activated Borosilicate Phosphor (Gd _{1-x} Eu _x) ₃ BSi ₂ O ₁₀ for White Light Emitting Diodes. ECS Journal of Solid State Science and Technology, 2013, 2, R3018-R3020.	0.9	3
27	Room-Temperature Solid State Contact Reaction Synthesis of Rare Earth Free RbVO ₃ Phosphor and Their Photoluminescence Properties. ECS Journal of Solid State Science and Technology, 2018, 7, R88-R93.	0.9	2
28	Room temperature X-ray and positron annihilation lifetime spectroscopic studies of cavansite crystals. Japanese Journal of Applied Physics, 2019, 58, 110904.	0.8	0