

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	Construction of highly efficient Z-scheme ZnxCd1-xS/Au@g-C3N4 ternary heterojunction composite for visible-light-driven photocatalytic reduction of CO2 to solar fuel. Applied Catalysis B: Environmental, 2021, 282, 119600.	10.8	129
2	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
3	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
4	Graphene-Zn0.5Cd0.5S nanocomposite with enhanced visible-light photocatalytic CO2 reduction activity. Applied Surface Science, 2020, 506, 144683.	3.1	48
5	Hierarchical heterostructured nickel foam-supported Co3S4 nanorod arrays embellished with edge-exposed MoS2 nanoflakes for enhanced alkaline hydrogen evolution reaction. Materials Today Energy, 2020, 18, 100513.	2.5	34
6	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
7	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
8	Bio-inspired honeycomb-like graphitic carbon nitride for enhanced visible light photocatalytic CO2 reduction activity. Environmental Science and Pollution Research, 2020, 27, 22604-22618.	2.7	23
9	Room temperature X-ray and positron annihilation lifetime spectroscopic studies of cavansite crystals. Japanese Journal of Applied Physics, 2019, 58, 110904.	0.8	0
10	Single-electrode triboelectric nanogenerator based on economical graphite coated paper for harvesting waste environmental energy. Nano Energy, 2019, 66, 104141.	8.2	71
11	Nature inspired ZnO/ZnS nanobranched-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
12	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
13	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
14	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
15	Supercritical hydrothermal synthesis of polycrystalline gadolinium aluminum perovskite materials (GdAlO ₃ , GAP). AIMS Materials Science, 2017, 4, 540-550.	0.7	6
16	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
17	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
18	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

#	ARTICLE	IF	CITATIONS
19	Photocatalytic degradation of organic dyes with hierarchical Bi ₂ O ₃ microstructures under visible-light. CrystEngComm, 2013, 15, 231-240.	1.3	117
20	Long phosphorescent Ca ₂ SnO ₄ with minuscule rare earth dopant concentration. Dalton Transactions, 2013, 42, 4781.	1.6	33
21	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
22	Facile synthesis of novel hierarchical grapheneâ€Bi ₂ O ₂ CO ₃ composites with enhanced photocatalytic performance under visible light. Dalton Transactions, 2012, 41, 14345.	1.6	172
23	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
24	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
25	Hydrothermal synthesis of sp ³ bonded carbon from Î ² -SiCâ€organic compound system. Materials Research Innovations, 2010, 14, 27-33.	1.0	3
26	Formation of filamentous carbon through dissociation of chromium carbide under hydrothermal conditions. Journal of Materials Science, 2008, 43, 2153-2157.	1.7	6
27	Synthesis and characterization of calcium aluminum silicate hydroxide (CASH) mineral. Journal of Materials Science, 2006, 41, 1395-1398.	1.7	4
28	Hydrothermal synthesis and characterization of micro to nano sized carbon particles. Journal of Materials Science, 2006, 41, 1465-1469.	1.7	26