Brundabana Naik

List of Publications by Year
in descending order

32 papers	1,704 citations	331670 21 h-index	434195 31 g-index
36 all docs	36 docs citations	36 times ranked	2090 citing authors

#	Article	IF	Citations
1	Facile Synthesis of N- and S-Incorporated Nanocrystalline TiO₂ and Direct Solar-Light-Driven Photocatalytic Activity. Journal of Physical Chemistry C, 2010, 114, 19473-19482.	3.1	166
2	Synergistic Effects of Boron and Sulfur Co-doping into Graphitic Carbon Nitride Framework for Enhanced Photocatalytic Activity in Visible Light Driven Hydrogen Generation. ACS Applied Energy Materials, 2018, 1, 5936-5947.	5.1	162
3	Preparation, characterization, and photocatalytic activity of sulfate-modified titania for degradation of methyl orange under visible light. Journal of Colloid and Interface Science, 2008, 318, 231-237.	9.4	124
4	Coupling of Crumpled-Type Novel MoS₂ with CeO₂ Nanoparticles: A Noble-Metal-Free pâ€“n Heterojunction Composite for Visible Light Photocatalytic H₂ Production. ACS Omega, 2017, 2, 3745-3753.	3.5	121
5	Synthesis of mesoporous TiO2â”xNx spheres by template free homogeneous co-precipitation method and their photo-catalytic activity under visible light illumination. Journal of Colloid and Interface Science, 2009, 333, 269-276.	9.4	102
6	Cr(VI) remediation from aqueous environment through modified-TiO₂-mediated photocatalytic reduction. Beilstein Journal of Nanotechnology, 2018, 9, 1448-1470.	2.8	102
7	Plasmon Induced Nano Au Particle Decorated over S,N-Modified TiO₂ for Exceptional Photocatalytic Hydrogen Evolution under Visible Light. ACS Applied Materials & Interfaces, 2014, 6, 839-846.	8.0	99
8	Facile fabrication of Bi2O3/TiO2-xNx nanocomposites for excellent visible light driven photocatalytic hydrogen evolution. International Journal of Hydrogen Energy, 2011, 36, 2794-2802.	7.1	92
9	Serendipitous Assembly of Mixed Phase BiVO₄ on B-Doped g-C₃N₄: An Appropriate pâ€“n Heterojunction for Photocatalytic O₂ evolution and Cr(VI) reduction. Inorganic Chemistry, 2019, 58, 12480-12491.	4.0	85
10	Enhanced H₂ Generation of Auâ€Loaded, Nitrogenâ€Doped TiO₂ Hierarchical Nanostructures under Visible Light. Advanced Materials Interfaces, 2014, 1, 1300018.	3.7	67
11	Green synthesis of fibrous hierarchical meso-macroporous N doped TiO2 nanophotocatalyst with enhanced photocatalytic H2 production. International Journal of Hydrogen Energy, 2013, 38, 3545-3553.	7.1	52
12	Hot Electron and Surface Plasmon-Driven Catalytic Reaction in Metalâ€“Semiconductor Nanostructures. Catalysis Letters, 2014, 144, 1996-2004.	2.6	49
13	Surface-Plasmon-Resonance-Induced Photocatalysis by Coreâ€“Shell SiO₂@Ag NCs@Ag₃PO₄ toward Water-Splitting and Phenol Oxidation Reactions. Inorganic Chemistry, 2019, 58, 9643-9654.	4.0	48
14	Facile fabrication of mesoporosity driven Nâ€“TiO2@CS nanocomposites with enhanced visible light photocatalytic activity. RSC Advances, 2013, 3, 4976.	3.6	46
15	Solar Light Active Photodegradation of Phenol over a Fe_xTi_{1â”x}O_{2â”y}N_y Nanophotocatalyst. Industrial & Engineering Chemistry Research, 2010, 49, 8339-8346.	3.7	45
16	Enhanced photocatalytic generation of hydrogen by Pt-deposited nitrogen-doped TiO2 hierarchical nanostructures. Applied Surface Science, 2015, 354, 347-352.	6.1	44
17	Cuâ€“Ag Bimetal Alloy Decorated SiO₂@TiO₂ Hybrid Photocatalyst for Enhanced H₂ Evolution and Phenol Oxidation under Visible Light. Inorganic Chemistry, 2020, 59, 10824-10834.	4.0	44
18	Quantum confinement chemistry of CdS QDs plus hot electron of Au over TiO2 nanowire protruding to be encouraging photocatalyst towards nitrophenol conversion and ciprofloxacin degradation. Journal of Environmental Chemical Engineering, 2019, 7, 102821.	6.7	38

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19	Catalytic activity of Pt/SiO2 nanocatalysts synthesized via ultrasonic spray pyrolysis process under CO oxidation. Applied Catalysis B: Environmental, 2014, 154-155, 171-176.	20.2	34
20	Facile Synthesis of Bi₂O₃/TiO_{2â^'x}N_x and its Direct Solarâ€Lightâ€Driven Photocatalytic Selective Hydroxylation of Phenol. ChemCatChem, 2011, 3, 311-318.	3.7	28
21	Tailoring metalâ€“oxide interfaces of oxide-encapsulated Pt/silica hybrid nanocatalysts with enhanced thermal stability. Catalysis Today, 2016, 265, 245-253.	4.4	28
22	Phase transition, electronic transitions and visible light driven enhanced photocatalytic activity of Euâ€“Ni co-doped bismuth ferrite nanoparticles. Journal of Physics and Chemistry of Solids, 2021, 153, 110018.	4.0	17
23	Photocatalytic activity of metal-decorated SiO2@TiO2 hybrid photocatalysts under water splitting. Korean Journal of Chemical Engineering, 2016, 33, 2325-2329.	2.7	16
24	Organic-inorganic hybrid hydroquinone bridged V-CdS/HAP/Pd-TCPP: A novel visible light active photocatalyst for phenol degradation. Journal of Molecular Liquids, 2021, 339, 116721.	4.9	15
25	Photocatalytic H₂generation on macro-mesoporous oxide-supported Pt nanoparticles. RSC Advances, 2016, 6, 18198-18203.	3.6	14
26	Enhanced photocatalytic activity of nanoporous BiVO 4 /MCM-41 co-joined nanocomposites for solar energy conversion and environmental pollution abatement. Journal of Environmental Chemical Engineering, 2017, 5, 4524-4530.	6.7	10
27	Trioctylphosphine Oxide (TOPO)-Assisted Facile Fabrication of Phosphorus-Incorporated Nanostructured Carbon Nitride Toward Photoelectrochemical Water Splitting with Enhanced Activity. Inorganic Chemistry, 2022, 61, 1368-1376.	4.0	10
28	Pd supported on 3D graphene aerogel as potential electrocatalyst for alkaline direct methanol fuel cells. Materials Today: Proceedings, 2021, 41, 150-155.	1.8	4
29	Role of graphene nanocomposite photocatalysts in photo-reduction of Cr (VI) for wastewater treatment. Materials Today: Proceedings, 2021, 41, 324-328.	1.8	4
30	Titania-Encapsulated Hybrid Nanocatalysts as Active and Thermally Stable Model Catalysts. Catalysis Letters, 2015, 145, 930-938.	2.6	3
31	Dielectric behaviour of EVA/EPDM/HNT ternary nanocomposites. Materials Today: Proceedings, 2021, 41, 211-215.	1.8	2
32	Artificial photosynthesis using ultrathin 2D materials. Materials Today: Proceedings, 2022, , .	1.8	0