Devthade Vidyasagar

List of Publications by Year
in descending order

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Version: 2024-02-01

29 papers	631 citations	623188 14 h-index	580395 25 g-index
29 all docs	29 docs citations	29 times ranked	863 citing authors

#	Article	IF	Citations
1	Graphitic Carbon Nitride-based Photocatalysts for Environmental Remediation of Organic Pollutants. Current Nanoscience, 2023, 19, 148-169.	0.7	5
2	Tailoring photoactivity of polymeric carbon nitride via donor-Ï€-acceptor network. Applied Catalysis B: Environmental, 2022, 310, 121347.	10.8	38
3	Recent Progress in Polymorphs of Carbon Nitride: Synthesis, Properties, and Their Applications. Macromolecular Rapid Communications, 2021, 42, e2000676.	2.0	26
4	In-Situ Nano-Auger Probe of Chloride-Ions during CH3NH3PbI3â^'xClx Perovskite Formation. Materials, 2021, 14, 1102.	1.3	5
5	Exciton Dissociation on Double Zâ€scheme Heterojunction for Photocatalytic Application. ChemistrySelect, 2021, 6, 6707-6713.	0.7	6
6	Intermediate Phaseâ€Free Process for Methylammonium Lead Iodide Thin Film for Highâ€Efficiency Perovskite Solar Cells. Advanced Science, 2021, 8, e2102492.	5.6	20
7	Crystallite size induced bandgap tuning in WO3 derived from nanocrystalline tungsten. Scripta Materialia, 2020, 176, 47-52.	2.6	20
8	Room-Temperature-Processed Amorphous Sn-In-O Electron Transport Layer for Perovskite Solar Cells. Materials, 2020, 13, 32.	1.3	7
9	Role of oxygen atmosphere on fabrication and photovoltaic properties of amorphous Sn-I-O electron transport layer. Materials Letters, 2020, 273, 127960.	1.3	2
10	Unveiling morphology altered photoactivity of microspherical carbon nitride scaffolds. Applied Surface Science, 2020, 526, 146661.	3.1	8
11	Europium Doped TiO₂â^'Ta₂O₅ Heterostructure for Photodegradation of Dyes. ChemistrySelect, 2020, 5, 2981-2984.	0.7	3
12	Chlorophyllin sensitized carbon nitride scaffolds for photocatalytic application. Materials Today Communications, 2020, 24, 101119.	0.9	2
13	Synthesis of vanadium dioxide thin films and nanostructures. Journal of Applied Physics, 2020, 128, .	1.1	42
14	Templateâ€Free Macroâ€Mesoporous TiO 2 /Carbon Nitride Interface for Visibleâ€Lightâ€Driven Photocatalysis. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1900212.	0.8	9
15	BWO nano-octahedron coupled with layered g-C3N4: An efficient visible light active photocatalyst for degradation of cationic/anionic dyes, and N2 reduction. Journal of Molecular Liquids, 2019, 296, 111771.	2.3	26
16	Phenyl-grafted carbon nitride semiconductor for photocatalytic CO₂-reduction and rapid degradation of organic dyes. Catalysis Science and Technology, 2019, 9, 822-832.	2.1	39
17	Development and characterization of graphitic carbon nitride as nonblack filler in natural rubber composites. Journal of Applied Polymer Science, 2019, 136, 48136.	1.3	10
18	Extended Ï€-conjugative n-p type homostructural graphitic carbon nitride for photodegradation and charge-storage applications. Scientific Reports, 2019, 9, 7186.	1.6	47

#	Article	IF	Citations
19	Openâ€mouth spherical gâ€C₃N₄/Feâ€2, 5â€thiophenedicarboxylic acid hybrid photocatalyst for dye degradation and bacterial inactivation. Journal of Chemical Technology and Biotechnology, 2019, 94, 761-767.	1.6	9
20	Magnetically separable indium doped ZnS NiFe2O4 heterostructure photocatalyst for mineralization of acid violet 7 dye. Materials Chemistry and Physics, 2019, 221, 483-492.	2.0	10
21	2D/2D Wg-C3N4/g-C3N4 composite as â€œAdsorb and Shuttleâ€•model photocatalyst for pollution mitigation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 370, 117-126.	2.0	31
22	Role of precursors on photocatalytic behavior of graphitic carbon nitride. Materials Today: Proceedings, 2018, 5, 9203-9210.	0.9	23
23	Visible Lightâ€Driven Biginelli Reaction over Mesoporous gâ€C₃N₄ Lewisâ€Base Catalyst. ChemistrySelect, 2018, 3, 4009-4014.	0.7	14
24	Ecofriendly Nanomaterials for Sustainable Photocatalytic Decontamination of Organics and Bacteria. , 2018, , 1-29.		2
25	Microwave assisted in situ decoration of a g-C₃N₄ surface with CdCO₃ nanoparticles for visible light driven photocatalysis. New Journal of Chemistry, 2018, 42, 6322-6331.	1.4	38
26	Silver/Silver(II) oxide (Ag/AgO) loaded graphitic carbon nitride microspheres: An effective visible light active photocatalyst for degradation of acidic dyes and bacterial inactivation. Applied Catalysis B: Environmental, 2018, 221, 339-348.	10.8	126
27	Graphitic Carbon Nitrideâ^'Î³-Gallium Oxide (GCN-Î³-Ga₂O₃) Nanohybrid Photocatalyst for Dinitrogen Fixation and Pollutant Decomposition. ACS Applied Nano Materials, 2018, 1, 5581-5588.	2.4	32
28	Structural, thermal and anticorrosion properties of electroactive polyimide/g-C₃N₄composites. Materials Research Express, 2018, 5, 095309.	0.8	20
29	Solvent free solid-state synthesis of Pr6O11/g-C3N4 visible light active photocatalyst for degradation of AV7 dye. Materials Research Bulletin, 2018, 107, 154-163.	2.7	11