

Devthade Vidyasagar

List of Publications by Year in descending order

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29
papers

631
citations

623188

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580395

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29
all docs

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docs citations

29
times ranked

863
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Extended π -conjugative n-p type homostructural graphitic carbon nitride for photodegradation and charge-storage applications. Scientific Reports, 2019, 9, 7186.	1.6	47
3	Synthesis of vanadium dioxide thin films and nanostructures. Journal of Applied Physics, 2020, 128, .	1.1	42
4	Phenyl-grafted carbon nitride semiconductor for photocatalytic CO ₂ -reduction and rapid degradation of organic dyes. Catalysis Science and Technology, 2019, 9, 822-832.	2.1	39
5	Microwave assisted <i>in situ</i> decoration of a g-C ₃ N ₄ surface with CdCO ₃ nanoparticles for visible light driven photocatalysis. New Journal of Chemistry, 2018, 42, 6322-6331.	1.4	38
6	Tailoring photoactivity of polymeric carbon nitride via donor- π -acceptor network. Applied Catalysis B: Environmental, 2022, 310, 121347.	10.8	38
7	Graphitic Carbon Nitride π - π -Gallium Oxide (GCN- π -Ga ₂ O ₃) Nanohybrid Photocatalyst for Dinitrogen Fixation and Pollutant Decomposition. ACS Applied Nano Materials, 2018, 1, 5581-5588.	2.4	32
8	2D/2D Wg-C ₃ N ₄ /g-C ₃ N ₄ composite as α -Adsorb and Shuttle π -model photocatalyst for pollution mitigation. Journal of Photochemistry and Photobiology A: Chemistry, 2019, 370, 117-126.	2.0	31
9	BWO nano-octahedron coupled with layered g-C ₃ N ₄ : An efficient visible light active photocatalyst for degradation of cationic/anionic dyes, and N ₂ reduction. Journal of Molecular Liquids, 2019, 296, 111771.	2.3	26
10	Recent Progress in Polymorphs of Carbon Nitride: Synthesis, Properties, and Their Applications. Macromolecular Rapid Communications, 2021, 42, e2000676.	2.0	26
11	Role of precursors on photocatalytic behavior of graphitic carbon nitride. Materials Today: Proceedings, 2018, 5, 9203-9210.	0.9	23
12	Structural, thermal and anticorrosion properties of electroactive polyimide/g-C ₃ N ₄ composites. Materials Research Express, 2018, 5, 095309.	0.8	20
13	Crystallite size induced bandgap tuning in WO ₃ derived from nanocrystalline tungsten. Scripta Materialia, 2020, 176, 47-52.	2.6	20
14	Intermediate Phase π -Free Process for Methylammonium Lead Iodide Thin Film for High π -Efficiency Perovskite Solar Cells. Advanced Science, 2021, 8, e2102492.	5.6	20
15	Visible Light π -Driven Biginelli Reaction over Mesoporous g π -C ₃ N ₄ Lewis π -Base Catalyst. ChemistrySelect, 2018, 3, 4009-4014.	0.7	14
16	Solvent free solid-state synthesis of Pr ₆ O ₁₁ /g-C ₃ N ₄ visible light active photocatalyst for degradation of AV7 dye. Materials Research Bulletin, 2018, 107, 154-163.	2.7	11
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	Magnetically separable indium doped ZnS NiFe ₂ O ₄ heterostructure photocatalyst for mineralization of acid violet 7 dye. Materials Chemistry and Physics, 2019, 221, 483-492.	2.0	10

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19	Template-Free Macro-Mesoporous TiO ₂ /Carbon Nitride Interface for Visible-Light-Driven Photocatalysis. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1900212.	0.8	9
20	Open-mouth spherical g-C ₃ N ₄ /Fe ₂ S ₅ -thiophenedicarboxylic acid hybrid photocatalyst for dye degradation and bacterial inactivation. <i>Journal of Chemical Technology and Biotechnology</i> , 2019, 94, 761-767.	1.6	9
21	Unveiling morphology altered photoactivity of microspherical carbon nitride scaffolds. <i>Applied Surface Science</i> , 2020, 526, 146661.	3.1	8
22	Room-Temperature-Processed Amorphous Sn-In-O Electron Transport Layer for Perovskite Solar Cells. <i>Materials</i> , 2020, 13, 32.	1.3	7
23	Exciton Dissociation on Double Z-scheme Heterojunction for Photocatalytic Application. <i>ChemistrySelect</i> , 2021, 6, 6707-6713.	0.7	6
24	In-Situ Nano-Auger Probe of Chloride-Ions during CH ₃ NH ₃ PbI ₃ -xCl _x Perovskite Formation. <i>Materials</i> , 2021, 14, 1102.	1.3	5
25	Graphitic Carbon Nitride-based Photocatalysts for Environmental Remediation of Organic Pollutants. <i>Current Nanoscience</i> , 2023, 19, 148-169.	0.7	5
26	Europium Doped TiO ₂ -Ta ₂ O ₅ Heterostructure for Photodegradation of Dyes. <i>ChemistrySelect</i> , 2020, 5, 2981-2984.	0.7	3
27	Ecofriendly Nanomaterials for Sustainable Photocatalytic Decontamination of Organics and Bacteria. , 2018, , 1-29.		2
28	Role of oxygen atmosphere on fabrication and photovoltaic properties of amorphous Sn-I-O electron transport layer. <i>Materials Letters</i> , 2020, 273, 127960.	1.3	2
29	Chlorophyllin sensitized carbon nitride scaffolds for photocatalytic application. <i>Materials Today Communications</i> , 2020, 24, 101119.	0.9	2