Bin Xue

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2796167/publications.pdf

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36	831	516561	501076
papers	citations	16 h-index	28 g-index

37	37	37	1359
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tubular Monolayer Superlattices of Hollow Mn₃O₄ Nanocrystals and Their Oxygen Reduction Activity. Journal of the American Chemical Society, 2017, 139, 12133-12136.	6.6	113
2	AgI/TiO2 nanocomposites: Ultrasound-assisted preparation, visible-light induced photocatalytic degradation of methyl orange and antibacterial activity. Ultrasonics Sonochemistry, 2015, 22, 1-6.	3.8	66
3	Facile Postsynthesis of Visible-Light-Sensitive Titanium Dioxide/Mesoporous SBA-15. Chemistry of Materials, 2007, 19, 3286-3293.	3.2	63
4	Direct synthesis of zeolite coatings on cordierite supports by in situ hydrothermal method. Applied Catalysis A: General, 2005, 292, 312-321.	2.2	52
5	Ag/g-C3N4 photocatalysts: Microwave-assisted synthesis and enhanced visible-light photocatalytic activity. Catalysis Communications, 2016, 79, 45-48.	1.6	46
6	Self-Assembled Nanoparticle Supertubes as Robust Platform for Revealing Long-Term, Multiscale Lithiation Evolution. Matter, 2019, 1, 976-987.	5.0	41
7	Antibacterial activities and preservative effect of chitosan oligosaccharide Maillard reaction products on Penaeus vannamei. International Journal of Biological Macromolecules, 2017, 105, 764-768.	3.6	40
8	Microwave-assisted one-step rapid synthesis of ternary Ag/Ag2S/g-C3N4 heterojunction photocatalysts for improved visible-light induced photodegradation of organic pollutant. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 353, 557-563.	2.0	31
9	ZnS@g-C3N4 Composite Photocatalysts: In Situ Synthesis and Enhanced Visible-Light Photocatalytic Activity. Catalysis Letters, 2016, 146, 2185-2192.	1.4	30
10	Functional properties and preservative effect on Penaeus vannamei of chitosan films with conjugated or incorporated chlorogenic acid. International Journal of Biological Macromolecules, 2020, 159, 333-340.	3.6	28
11	Ternary Alloyed ZnSe_xTe_{1â€“x} Nanowires: Solution-Phase Synthesis and Band Gap Bowing. Chemistry of Materials, 2015, 27, 1140-1146.	3.2	27
12	Fabrication of Na, Cl co-doped graphitic carbon nitride with enhanced photocatalytic activity for degradation of dyes and antibiotics. Journal of Materials Science: Materials in Electronics, 2019, 30, 4446-4454.	1.1	26
13	Maillard reaction of oat Î²-glucan and the rheological property of its amino acid/peptide conjugates. Food Hydrocolloids, 2018, 76, 30-34.	5.6	25
14	Ultrafine silver nanoparticles deposited on sodium-doped graphitic carbon nitride towards enhanced photocatalytic degradation of dyes and antibiotics under visible light irradiation. Applied Surface Science, 2019, 476, 741-748.	3.1	24
15	Gelatin-assisted green synthesis of bismuth sulfide nanorods under microwave irradiation. Materials Letters, 2014, 122, 106-109.	1.3	22
16	Shape-controlled synthesis of Î²-In₂S₃nanocrystals and their lithium storage properties. CrystEngComm, 2016, 18, 250-256.	1.3	20
17	Effect of Maillard reaction on rheological, physicochemical and functional properties of oat Î²-glucan. Food Hydrocolloids, 2019, 89, 90-94.	5.6	19
18	Facile and large-scale synthesis of hollow TiO2 nanostructures from TiCl3 solution. Materials Letters, 2009, 63, 2377-2380.	1.3	16

#	Article	IF	Citations
19	One-step synthesis of MoS2/g-C3N4 nanocomposites with highly enhanced photocatalytic activity. Materials Letters, 2018, 228, 475-478.	1.3	16
20	Preparation and antioxidant activity of xanthan oligosaccharides derivatives with similar substituting degrees. Food Chemistry, 2014, 164, 7-11.	4.2	15
21	Nickel nanoparticles encapsulated by nitrogen-doped bamboo-shaped carbon nanotubes with a high-level doping: A boosting electrocatalyst for alkaline hydrogen evolution. Applied Surface Science, 2021, 564, 150439.	3.1	15
22	Microwave Fabrication and Magnetic Property of Hierarchical Spherical Î±-Fe2O3 Nanostructures. Chemistry Letters, 2008, 37, 1058-1059.	0.7	14
23	Highly dispersed molybdenum-embedded polymeric carbon nitride with enhanced photocatalytic activity for degradation of dyes and antibiotics. Applied Surface Science, 2020, 528, 146931.	3.1	14
24	Selective catalytic reduction of nitric oxide with propane over Ni-Al2O3: effect of Ni loading. Reaction Kinetics and Catalysis Letters, 2006, 89, 81-87.	0.6	11
25	Growth and characterization of bamboo-like multiwalled carbon nanotubes over Cu/Al2O3 catalyst. Journal of Materials Science, 2009, 44, 4040-4046.	1.7	11
26	Î²-Cyclodextrin-assisted preparation of hierarchical walnut-like CeOHCO3 and CeO2 mesocrystals. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2011, 176, 210-216.	1.7	10
27	Facile synthesis of mesoporous core-shell TiO2 nanostructures from TiCl3. Materials Research Bulletin, 2011, 46, 1524-1529.	2.7	9
28	Self-assembled Fe₃O₄ nanoparticle-doped TiO₂ nanorod superparticles with highly enhanced lithium storage properties. Sustainable Energy and Fuels, 2018, 2, 616-625.	2.5	8
29	Antioxidant activity of oligochitosan Maillard reaction products using oligochitosan as the amino or carbonyl groups donors. International Journal of Food Properties, 2018, 21, 1964-1971.	1.3	5
30	Cyano and terminal amino group co-modified polymeric carbon nitride with boosted photocatalytic activity for degradation of dyes and antibiotics. Materials Letters, 2020, 277, 128315.	1.3	5
31	Metal-free polymeric carbon nitride photocatalytic bactericide: precursor-controlled killing activity of E. coli. Environmental Advances, 2021, 4, 100067.	2.2	3
32	Depolymerized phosphorus-doped polymeric carbon nitride: A mercury (II) ion fluorescent probe. Ceramics International, 2021, 47, 24115-24120.	2.3	3
33	Ultrasonic Synthesis of Nanomaterials for Photocatalytic Removal of Pollutants from Wastewater. , 2016, , 587-622.		1
34	Synthesis of graphitic carbon nitrideâ€"Nanostructured photocatalyst. , 2020, , 279-304.		1
35	Nanostructure engineering of polymeric carbon nitride with boosted photocatalytic antibacterial activity. Applied Organometallic Chemistry, 2022, 36, .	1.7	1
36	Ultrasonic Synthesis of Nanomaterials for Photocatalytic Removal of Pollutants from Wastewater. , 2016, , 1-36.		0