

Young-Si Jun

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58 papers	3,198 citations	24 h-index	56 g-index
60 ext. papers	3,566 ext. citations	8.6 avg, IF	5.13 L-index

#	Paper	IF	Citations
58	From Melamine-Cyanuric Acid Supramolecular Aggregates to Carbon Nitride Hollow Spheres. <i>Advanced Functional Materials</i> , 2013 , 23, 3661-3667	15.6	585
57	Ordered Mesoporous SBA-15 Type Graphitic Carbon Nitride: A Semiconductor Host Structure for Photocatalytic Hydrogen Evolution with Visible Light. <i>Chemistry of Materials</i> , 2009 , 21, 4093-4095	9.6	358
56	Mesoporous, 2D Hexagonal Carbon Nitride and Titanium Nitride/Carbon Composites. <i>Advanced Materials</i> , 2009 , 21, 4270-4274	24	276
55	Cubic mesoporous graphitic carbon(IV) nitride: an all-in-one chemosensor for selective optical sensing of metal ions. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9706-10	16.4	253
54	Three-dimensional macroscopic assemblies of low-dimensional carbon nitrides for enhanced hydrogen evolution. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 11083-7	16.4	229
53	A fluorescent sensor for selective detection of cyanide using mesoporous graphitic carbon(IV) nitride. <i>Chemical Communications</i> , 2012 , 48, 3942-4	5.8	107
52	Three-Dimensional Macroscopic Assemblies of Low-Dimensional Carbon Nitrides for Enhanced Hydrogen Evolution. <i>Angewandte Chemie</i> , 2013 , 125, 11289-11293	3.6	102
51	Sulfur-functionalized mesoporous carbons as sulfur hosts in Li-S batteries: increasing the affinity of polysulfide intermediates to enhance performance. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 10908-16	8.5	88
50	Effective purification of succinic acid from fermentation broth produced by <i>Mannheimia succiniciproducens</i> . <i>Process Biochemistry</i> , 2006 , 41, 1461-1465	4.8	83
49	Facile Route to Synthesize Large-Mesoporous γ -Alumina by Room Temperature Ionic Liquids. <i>Chemistry of Materials</i> , 2007 , 19, 535-542	9.6	83
48	Mesoporous Melamine Resins by Soft Templating of Block-co-Polymer Mesophases. <i>Chemistry of Materials</i> , 2010 , 22, 428-434	9.6	82
47	A High Capacity Calcium Primary Cell Based on the Ca/H_2 System. <i>Advanced Energy Materials</i> , 2013 , 3, 1056-1061	21.8	81
46	High quality reduced graphene oxide through repairing with multi-layered graphene ball nanostructures. <i>Scientific Reports</i> , 2013 , 3, 3251	4.9	67
45	Sulfur infiltrated mesoporous graphene/silica composite as a polysulfide retaining cathode material for lithium/sulfur batteries. <i>Carbon</i> , 2014 , 69, 543-551	10.4	56
44	Bimodal Mesoporous Titanium Nitride/Carbon Microfibers as Efficient and Stable Electrocatalysts for LiO_2 Batteries. <i>Chemistry of Materials</i> , 2013 , 25, 3779-3781	9.6	56
43	Adsorption of Pyruvic and Succinic Acid by Amine-Functionalized SBA-15 for the Purification of Succinic Acid from Fermentation Broth. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 13076-13086	3.8	51
42	Kinetic study for the extraction of succinic acid with TOA in fermentation broth; effects of pH, salt and contaminated acid. <i>Biochemical Engineering Journal</i> , 2007 , 36, 8-13	4.2	50

41	Nanostructured Mn-Doped V ₂ O ₅ Cathode Material Fabricated from Layered Vanadium Jarosite. <i>Chemistry of Materials</i> , 2015 , 27, 7331-7336	9.6	45
40	Synthesis of High-Surface-Area TiN/Carbon Composite Materials with Hierarchical Porosity via Reactive Templating. <i>Chemistry of Materials</i> , 2008 , 20, 7383-7389	9.6	43
39	Cubic Mesoporous Graphitic Carbon(IV) Nitride: An All-in-One Chemosensor for Selective Optical Sensing of Metal Ions. <i>Angewandte Chemie</i> , 2010 , 122, 9900-9904	3.6	41
38	Carbon nitride supported AgPd alloy nanocatalysts for dehydrogenation of formic acid under visible light. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6382-6387	13	38
37	Salt-templated three-dimensional porous carbon for electrochemical determination of gallic acid. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 597-604	11.8	33
36	Selective silver ion adsorption onto mesoporous graphitic carbon nitride. <i>Carbon</i> , 2015 , 95, 58-64	10.4	29
35	Crystalline poly(triazine imide) based g-CN as an efficient electrocatalyst for counter electrodes of dye-sensitized solar cells using a triiodide/iodide redox electrolyte. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 24232-24236	13	27
34	Molecular Cooperative Assembly-Mediated Synthesis of Ultra-High-Performance Hard Carbon Anodes for Dual-Carbon Sodium Hybrid Capacitors. <i>ACS Nano</i> , 2019 , 13, 11935-11946	16.7	24
33	A Polysulfide-Infiltrated Carbon Cloth Cathode for High-Performance Flexible Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2018 , 8,	5.4	23
32	Plasmon-Mediated Photocatalytic Decomposition of Formic Acid on Palladium Nanostructures. <i>Advanced Optical Materials</i> , 2016 , 4, 1041-1046	8.1	22
31	Kinetics of the extraction of succinic acid with tri-n-octylamine in 1-octanol solution. <i>Biotechnology Progress</i> , 2005 , 21, 1673-9	2.8	22
30	Polyimide dendrimers containing multiple electron donor-acceptor units and their unique photophysical properties. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 6775-9	16.4	19
29	Fabrication of alginate/humic acid/Fe-aminoclay hydrogel composed of a grafted-network for the efficient removal of strontium ions from aqueous solution. <i>Environmental Technology and Innovation</i> , 2018 , 9, 285-293	7	18
28	Semiconducting boron carbides with better charge extraction through the addition of pyridine moieties. <i>Journal Physics D: Applied Physics</i> , 2016 , 49, 355302	3	17
27	Removal of bovine serum albumin using solid-phase extraction with in-situ polymerized stationary phase in a microfluidic device. <i>Journal of Chromatography A</i> , 2008 , 1187, 11-7	4.5	16
26	Microfluidic separation of (S)-ibuprofen using enzymatic reaction. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2006 , 43, 96-101		16
25	Shape-controlled assemblies of graphitic carbon nitride polymer for efficient sterilization therapies of water microbial contamination via 2D g-CN under visible light illumination. <i>Materials Science and Engineering C</i> , 2019 , 104, 109846	8.3	15
24	Visible-light-driven dynamic cancer therapy and imaging using graphitic carbon nitride nanoparticles. <i>Materials Science and Engineering C</i> , 2018 , 90, 531-538	8.3	15

23	Solid Suspension Flow Batteries Using Earth Abundant Materials. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1759-65	9.5	12
22	Visible/near-infrared driven highly efficient photocatalyst based on upconversion nanoparticles/g-C ₃ N ₄ nanocomposite. <i>Applied Surface Science</i> , 2020 , 508, 144839	6.7	12
21	Synthesis of N-Doped TiO ₂ for Efficient Photocatalytic Degradation of Atmospheric NO _x . <i>Catalysts</i> , 2021 , 11, 109	4	10
20	Cytotoxicity and potency of mesocellular foam-26 in comparison to layered clays used as hemostatic agents. <i>Toxicology Research</i> , 2013 , 2, 136-144	2.6	9
19	Preparation and Characterization of Photoactive Anatase TiO ₂ from Algae Bloomed Surface Water. <i>Catalysts</i> , 2020 , 10, 452	4	8
18	Synthesis and NO removal performance of anatase S-TiO/g-CN heterojunction formed from dye wastewater sludge. <i>Chemosphere</i> , 2021 , 275, 130020	8.4	8
17	Facile synthesis and characterization of anatase TiO/g-CN composites for enhanced photoactivity under UV-visible spectrum. <i>Chemosphere</i> , 2021 , 262, 128004	8.4	8
16	The true liquid crystal phases of 2D polymeric carbon nitride and macroscopic assembled fibers. <i>Materials Horizons</i> , 2019 , 6, 1726-1732	14.4	6
15	Microporous Carbon Nanoparticles for Lithium-Sulfur Batteries. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
14	Modified Hydrothermal Route for Synthesis of Photoactive Anatase TiO ₂ /g-CN Nanotubes from Sludge Generated TiO ₂ . <i>Catalysts</i> , 2020 , 10, 1350	4	5
13	Thick free-standing electrode based on carbon/carbon nitride microspheres with large mesopores for high-energy-density lithium/sulfur batteries 2021 , 3, 410-423		5
12	Polyimide-Coated Glass Microfiber as Polysulfide Perm-Selective Separator for High-Performance Lithium-Sulphur Batteries. <i>Nanomaterials</i> , 2019 , 9,	5.4	5
11	Highly N-doped, H-containing mesoporous carbon with modulated physicochemical properties as high-performance anode materials for Li-ion and Na-ion batteries. <i>Journal of Alloys and Compounds</i> , 2021 , 851, 156881	5.7	5
10	Hydrophilic/Hydrophobic Silane Grafting on TiO ₂ Nanoparticles: Photocatalytic Paint for Atmospheric Cleaning. <i>Catalysts</i> , 2021 , 11, 193	4	5
9	Rechargeable Intermetallic Calcium-Lithium-O Batteries. <i>ChemSusChem</i> , 2020 , 13, 574-581	8.3	4
8	Electrocatalytic and stoichiometric reactivity of 2D layered siloxene for high-energy-dense lithium/sulfur batteries		4
7	Polyimide Dendrimers Containing Multiple Electron Donor/Acceptor Units and Their Unique Photophysical Properties. <i>Angewandte Chemie</i> , 2015 , 127, 6879-6883	3.6	3
6	Hierarchical Porous, N-Containing Carbon Supports for High Loading Sulfur Cathodes. <i>Nanomaterials</i> , 2021 , 11,	5.4	3

5	Eutectic iodide-based salt as a melem-to-PTI conversion stopping agent for all-in-one graphitic carbon nitride. <i>Applied Catalysis B: Environmental</i> , 2021 , 294, 120222	21.8	3
4	Boron Nitride Nanotube-Based Separator for High-Performance Lithium-Sulfur Batteries.. <i>Nanomaterials</i> , 2021 , 12,	5.4	3
3	Sulfuric Acid Treated g-CN as a Precursor to Generate High-Efficient g-CN for Hydrogen Evolution from Water under Visible Light Irradiation. <i>Catalysts</i> , 2021 , 11, 37	4	2
2	Macroscopic graphitic carbon nitride monolith for efficient hydrogen production by photocatalytic reforming of glucose under sunlight. <i>Chemosphere</i> , 2021 , 283, 131174	8.4	2
1	Solar-driven enhanced chemical adsorption and interfacial evaporation using porous graphene-based spherical composites. <i>Chemosphere</i> , 2021 , 133013	8.4	1