

Jun Xu

List of Publications by Citations

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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.

75
papers

5,358
citations

28
h-index

73
g-index

80
ext. papers

6,121
ext. citations

10.3
avg, IF

5.56
L-index

#	Paper	IF	Citations
75	Simultaneous phase and size control of upconversion nanocrystals through lanthanide doping. <i>Nature</i> , 2010 , 463, 1061-5	50.4	2560
74	Emerging chirality in nanoscience. <i>Chemical Society Reviews</i> , 2013 , 42, 2930-62	58.5	391
73	Measuring ensemble-averaged surface-enhanced Raman scattering in the hotspots of colloidal nanoparticle dimers and trimers. <i>Journal of the American Chemical Society</i> , 2010 , 132, 3644-5	16.4	354
72	Interlayer Nanoarchitectonics of Two-Dimensional Transition-Metal Dichalcogenides Nanosheets for Energy Storage and Conversion Applications. <i>Advanced Energy Materials</i> , 2017 , 7, 1700571	21.8	209
71	Reducing the symmetry of bimetallic Au@Ag nanoparticles by exploiting eccentric polymer shells. <i>Journal of the American Chemical Society</i> , 2010 , 132, 9537-9	16.4	117
70	Lanthanide-doped LiYF ₄ nanoparticles: Synthesis and multicolor upconversion tuning. <i>Comptes Rendus Chimie</i> , 2010 , 13, 731-736	2.7	105
69	Sensitive Detection of Carcinoembryonic Antigen Using Stability-Limited Few-Layer Black Phosphorus as an Electron Donor and a Reservoir. <i>Small</i> , 2017 , 13, 1603589	11	102
68	Hydrothermal Syntheses of Gold Nanocrystals: From Icosahedral to Its Truncated Form. <i>Advanced Functional Materials</i> , 2008 , 18, 277-284	15.6	98
67	Mechanical nanosprings: induced coiling and uncoiling of ultrathin Au nanowires. <i>Journal of the American Chemical Society</i> , 2010 , 132, 11920-2	16.4	92
66	Colorimetric Biosensor for Detection of Cancer Biomarker by Au Nanoparticle-Decorated BiSe Nanosheets. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 6931-6940	9.5	87
65	Adaptive Bifunctional Electrocatalyst of Amorphous CoFe Oxide @ 2D Black Phosphorus for Overall Water Splitting. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21106-21113	16.4	69
64	Synthesis of hybrid nanocomposites of ZIF-8 with two-dimensional black phosphorus for photocatalysis. <i>RSC Advances</i> , 2016 , 6, 69033-69039	3.7	55
63	Triple-layer (au@perylene)@polyaniline nanocomposite: unconventional growth of faceted organic nanocrystals on polycrystalline Au. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 9898-902	16.4	55
62	Toroidal micelles of polystyrene- block -poly(acrylic acid). <i>Small</i> , 2011 , 7, 2721-6	11	54
61	Planar macrocyclic fluoropentamers as supramolecular organogelators. <i>Organic Letters</i> , 2011 , 13, 3840-3842	3.2	53
60	Facile synthesis of ultrathin PtPd nanosheets for enhanced formic acid oxidation and oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 18846-18851	13	52
59	General methodology of using oil-in-water and water-in-oil emulsions for coiling nanofilaments. <i>Journal of the American Chemical Society</i> , 2013 , 135, 835-43	16.4	45

58	Fixed-component lanthanide-hybrid-fabricated full-color photoluminescent films as vapoluminescent sensors. <i>Chemistry - A European Journal</i> , 2013 , 19, 4556-62	4.8	45
57	Tunable Upconversion Emissions from Lanthanide-doped Monodisperse NaYF_4 Nanoparticles. <i>Spectroscopy Letters</i> , 2010 , 43, 400-405	1.1	45
56	Controlling reversible elastic deformation of carbon nanotube rings. <i>Journal of the American Chemical Society</i> , 2011 , 133, 9654-7	16.4	43
55	Synthesis and room temperature four-state memory prototype of $\text{Sr}_3\text{Co}_2\text{Fe}_{24}\text{O}_{41}$ multiferroics. <i>Applied Physics Letters</i> , 2012 , 101, 122903	3.4	40
54	Probing the kinetics of short-distance drug release from nanocarriers to nanoacceptors. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 8426-30	16.4	35
53	Preservation of lattice orientation in coalescing imperfectly aligned gold nanowires by a zipper mechanism. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 6019-23	16.4	34
52	Formation of poly(L,D-lactide) spheres with controlled size by direct dialysis. <i>Polymer</i> , 2007 , 48, 5767-5779	9	33
51	The Art of Integrated Functionalization: Super Stable Black Phosphorus Achieved through Metal-Organic Framework Coating. <i>Advanced Functional Materials</i> , 2020 , 30, 2002232	15.6	32
50	Probing the kinetics of ligand exchange on colloidal gold nanoparticles by surface-enhanced Raman scattering. <i>Dalton Transactions</i> , 2010 , 349-51	4.3	31
49	Visible light sensitized attapulgite-based lanthanide composites: microstructure, photophysical behaviour and biological application. <i>Dalton Transactions</i> , 2011 , 40, 12909-16	4.3	30
48	Partially inverse spinel ZnFe_2O_4 with high saturation magnetization synthesized via a molten salt route. <i>Applied Physics Letters</i> , 2011 , 99, 202505	3.4	28
47	Carbene-Catalyzed Alkylation of Carboxylic Esters via Direct Photoexcitation of Acyl Azolium Intermediates. <i>ACS Catalysis</i> , 2021 , 11, 2925-2934	13.1	25
46	Robust Amphiphobic Few-Layer Black Phosphorus Nanosheet with Improved Stability. <i>Advanced Science</i> , 2019 , 6, 1901991	13.6	22
45	Crystalline phase and morphology controlling to enhance the up-conversion emission from $\text{NaYF}_4:\text{Yb,Er}$ nanocrystals. <i>Acta Materialia</i> , 2017 , 131, 373-379	8.4	21
44	Ligand-triggered electrostatic self-assembly of CdS nanosheet/Au nanocrystal nanocomposites for versatile photocatalytic redox applications. <i>Nanoscale</i> , 2016 , 8, 19161-19173	7.7	21
43	Assembly of Ultrathin Gold Nanowires into Honeycomb Macroporous Pattern Films with High Transparency and Conductivity. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 7826-7833	9.5	20
42	Assembly of Ultrathin Gold Nanowires: From Polymer Analogue to Colloidal Block. <i>ACS Nano</i> , 2017 , 11, 2756-2763	16.7	19
41	Synthesis of hierarchical lamellar $\text{Co}_3\text{O}_4/\text{CoMoO}_4$ heterostructures for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 26884-26892	13	18

40	Enhanced up-conversion luminescence from NaYF ₄ :Yb,Er nanocrystals by Gd ³⁺ ions induced phase transformation and plasmonic Au nanosphere arrays. <i>RSC Advances</i> , 2016 , 6, 102869-102874	3.7	17
39	Efficient visible and near-infrared photoluminescent attapulgite-based lanthanide one-dimensional nanomaterials assembled by ion-pairing interactions. <i>Dalton Transactions</i> , 2014 , 43, 7903-10	4.3	17
38	Mo C/C Hierarchical Double-Shelled Hollow Spheres as Sulfur Host for Advanced Li-S Batteries. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 21512-21520	16.4	17
37	Non-spherical racemic polylactide microarchitectures formation via solvent evaporation method. <i>Polymer</i> , 2009 , 50, 3841-3850	3.9	16
36	Engineering of Amorphous PtOx Interface on Pt/WO ₃ Nanosheets for Ethanol Oxidation Electrocatalysis. <i>Advanced Functional Materials</i> , 2021 , 31, 2100982	15.6	15
35	Polyaniline Encapsulated Amorphous V O Nanowire-Modified Multi-Functional Separators for Lithium-Sulfur Batteries.. <i>Small Methods</i> , 2021 , 5, e2001056	12.8	15
34	Ultrasensitive colorimetric biosensor for BRCA1 mutation based on multiple signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2020 , 166, 112424	11.8	13
33	Carbene-Catalyzed α -Deuteration of Enals under Oxidative Conditions. <i>ACS Catalysis</i> , 2020 , 10, 5475-5482	3.1	13
32	Twisting Ultrathin Au Nanowires into Double Helices. <i>Small</i> , 2018 , 14, e1801925	11	13
31	Reduced Ti-MOFs encapsulated black phosphorus with high stability and enhanced photocatalytic activity. <i>Journal of Energy Chemistry</i> , 2021 , 53, 185-191	12	13
30	Regulating the reactivity of black phosphorus via protective chemistry. <i>Science Advances</i> , 2020 , 6,	14.3	11
29	Structural instability and mechanical properties of MoS ₂ toroidal nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 32425-35	3.6	10
28	Preparation, crystal structures and luminescent properties of terbium and europium complexes with a new amino-alkenone type ligand. <i>Journal of Fluorescence</i> , 2011 , 21, 35-42	2.4	10
27	2D Mesoporous Nanomesh from N-Doped Carbon-Encapsulated V ₂ O ₃ Nanowires as an Anode for Lithium-Ion Batteries. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24073-24080	3.8	9
26	Electron Matters: Recent Advances in Passivation and Applications of Black Phosphorus. <i>Advanced Materials</i> , 2021 , e2005924	24	9
25	Fluorinated Eu-Doped SnO ₂ Nanostructures with Simultaneous Phase and Shape Control and Improved Photoluminescence. <i>Particle and Particle Systems Characterization</i> , 2013 , 30, 332-337	3.1	8
24	Adaptive Bifunctional Electrocatalyst of Amorphous CoFe Oxide @ 2D Black Phosphorus for Overall Water Splitting. <i>Angewandte Chemie</i> , 2020 , 132, 21292-21299	3.6	8
23	Amorphous alloys for electrocatalysis: The significant role of the amorphous alloy structure. <i>Nano Research</i> , 1	10	8

22	Unconventional synthesis of Cu/Au dendritic nanowires with enhanced electrochemical activity. <i>RSC Advances</i> , 2016 , 6, 2464-2469	3.7	7
21	Triple-Layer (Au@Perylene)@Polyaniline Nanocomposite: Unconventional Growth of Faceted Organic Nanocrystals on Polycrystalline Au. <i>Angewandte Chemie</i> , 2011 , 123, 10072-10076	3.6	7
20	3D nano-macroporous structured TiO ₂ -foam glass as an efficient photocatalyst for organic pollutant treatment. <i>RSC Advances</i> , 2016 , 6, 51888-51893	3.7	7
19	Carbene-catalyzed selective addition of isothioureas to enals for access to sulphur-containing 5,6-dihydropyrimidin-4-ones. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 743-747	5.2	7
18	Carbene-Catalyzed Activation of Remote Nitrogen Atoms of (Benz)imidazole-Derived Aldimines for Enantioselective Synthesis of Heterocycles. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 7906-7912	16.4	7
17	Ultra-large optical modulation of a size-tunable flexible electrochromic honeycomb mesoporous tungsten oxide film. <i>Inorganic Chemistry Frontiers</i> , 2019 , 6, 680-686	6.8	6
16	Probing the Kinetics of Short-Distance Drug Release from Nanocarriers to Nanoacceptors. <i>Angewandte Chemie</i> , 2010 , 122, 8604-8608	3.6	6
15	Nanocombing Effect Leads to Nanowire-Based, in-Plane, Uniaxial Thin Films. <i>ACS Nano</i> , 2018 , 12, 12701-12712	12.6	6
14	Mo ₂ C/C Hierarchical Double-Shelled Hollow Spheres as Sulfur Host for Advanced Li-S Batteries. <i>Angewandte Chemie</i> , 2021 , 133, 21682-21690	3.6	6
13	Ultrathin AuAg Nanofilms from Ice-Templated Assembly of AuAg Nanowires. <i>Advanced Materials Interfaces</i> , 2018 , 5, 1800256	4.6	5
12	Carbene-catalyzed atroposelective synthesis of axially chiral styrenes.. <i>Nature Communications</i> , 2022 , 13, 84	17.4	5
11	Oxidant-templating fabrication of pure polypyrrole hydrogel beads as a highly efficient dye adsorbent.. <i>RSC Advances</i> , 2019 , 9, 5895-5900	3.7	5
10	Encapsulation of Au Nanoparticles by Poly(4-Vinylpyridine)-Block-Polystyrene-Block-Poly(4-Vinylpyridine) for Controlled Chain Assembly. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2015 , 25, 153-158	3.2	4
9	Preservation of Lattice Orientation in Coalescing Imperfectly Aligned Gold Nanowires by a Zipper Mechanism. <i>Angewandte Chemie</i> , 2013 , 125, 6135-6139	3.6	4
8	A general approach for encapsulating nanoparticles by polystyrene-block-poly(acrylic acid) shell in colloidal. <i>Journal of Physics and Chemistry of Solids</i> , 2019 , 135, 109019	3.9	2
7	Enhancing polysulfide confinement and conversion in meso-/microporous core/shelled MoC/NC microspheres for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021 , 9, 26051-26060	13	2
6	Carbene-Catalyzed Activation of Remote Nitrogen Atoms of (Benz)imidazole-Derived Aldimines for Enantioselective Synthesis of Heterocycles. <i>Angewandte Chemie</i> , 2021 , 133, 7985-7991	3.6	2
5	Stable Radicals with Protective Umbrellas Integrated on the Surface of 2D Layered Materials. <i>Advanced Functional Materials</i> , 2021 , 31, 2104246	15.6	2

4	Palladium Phosphide/Black Phosphorus Heterostructures with Enhanced Ethanol Oxidation Activity and Stability. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18717-18724	3.8	2
3	Energy transfer to enhance the characteristics emission from lanthanide-doped nanocrystals. <i>Journal of Physics: Conference Series</i> , 2017 , 864, 012067	0.3	1
2	Enantioselective modification of sulfonamides and sulfonamide-containing drugs via carbene organic catalysis. <i>Organic Chemistry Frontiers</i> ,	5.2	1
1	Conjugated polymer coating enabled light-resistant black phosphorus with enhanced stability. <i>Nanoscale Advances</i> , 2021 , 3, 5650-5655	5.1	