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List of Publications by Year
in descending order

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79 papers	8,533 citations	57758 44 h-index	60623 81 g-index
82 all docs	82 docs citations	82 times ranked	7460 citing authors

#	Article	IF	Citations
1	Recent Advances of Biomass Derived Electrode Materials for Capacitive Deionization. Current Nanoscience, 2022, 18, 2-17.	1.2	3
2	Engineering luminescent metal nanoclusters for sensing applications. Coordination Chemistry Reviews, 2022, 451, 214268.	18.8	79
3	Bismuth oxychloride nanostructure coated carbon sponge as flow-through electrode for highly efficient rocking-chair capacitive deionization. Journal of Colloid and Interface Science, 2022, 608, 2752-2759.	9.4	16
4	Layered double hydroxide coated electrospun carbon nanofibers as the chloride capturing electrode for ultrafast electrochemical deionization. Journal of Colloid and Interface Science, 2022, 609, 289-296.	9.4	20
5	In Situ Synthesis of Bismuth Nanoclusters within Carbon Nanoâ€Bundles from Metalâ€“Organic Framework for Chlorideâ€Driven Electrochemical Deionization. Advanced Functional Materials, 2022, 32, .	14.9	46
6	Ligand engineering of Au nanoclusters with multifunctional metalloporphyrins for photocatalytic H₂O₂production. Journal of Materials Chemistry A, 2022, 10, 8371-8377.	10.3	13
7	Atomic-precision Pt6 nanoclusters for enhanced hydrogen electro-oxidation. Nature Communications, 2022, 13, 1596.	12.8	86
8	Conjugating AIE-featured AuAg nanoclusters with highly luminescent carbon dots for improved visible-light-driven antibacterial activity. Nanoscale, 2022, 14, 8183-8191.	5.6	17
9	Injectable Ag nanoclusters-based hydrogel for wound healing via eliminating bacterial infection and promoting tissue regeneration. Chemical Engineering Journal, 2021, 420, 127589.	12.7	23
10	Controlled synthesis of bismuth oxychloride-carbon nanofiber hybrid materials as highly efficient electrodes for rocking-chair capacitive deionization. Chemical Engineering Journal, 2021, 403, 126326.	12.7	112
11	Molecular reactivity of thiolate-protected noble metal nanoclusters: synthesis, self-assembly, and applications. Chemical Science, 2021, 12, 99-127.	7.4	108
12	Decorating Pt@cyclodextrin nanoclusters on C₃N₄/MXene for boosting the photocatalytic H₂O₂ production. Journal of Materials Chemistry A, 2021, 9, 6872-6880.	10.3	39
13	Mechanistic insights into the two-phase synthesis of heteroleptic Au nanoclusters. Nanoscale, 2021, 13, 3512-3518.	5.6	8
14	Catalytically potent and selective clusterzymes for modulation of neuroinflammation through single-atom substitutions. Nature Communications, 2021, 12, 114.	12.8	123
15	Dynamic Metal Exchange between a Metalloid Silver Cluster and Silver(I) Thiolate. Inorganic Chemistry, 2021, 60, 3037-3045.	4.0	10
16	Quaternary ammonium cellulose promoted synthesis of hollow nano-sized ZSM-5 zeolite as stable catalyst for benzene alkylation with ethanol. Journal of Materials Science, 2021, 56, 8461-8478.	3.7	11
17	MnO2 decorated porous carbon derived from Enteromorpha prolifera as flow-through electrode for dual-mode capacitive deionization. Desalination, 2021, 504, 114977.	8.2	29
18	The beauty of binary phases: A facile strategy for synthesis, processing, functionalization, and application of ultrasmall metal nanoclusters. Coordination Chemistry Reviews, 2021, 438, 213900.	18.8	24

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19	Engineering Durable Superhydrophobic Photocatalyst for Oilâ€Water Separation and Degradation of Chemical Pollutants. ChemistrySelect, 2021, 6, 7271-7277.	1.5	3
20	In-situ grown Ag on magnetic halloysite nanotubes in scaffolds: Antibacterial, biocompatibility and mechanical properties. Ceramics International, 2021, 47, 32756-32765.	4.8	6
21	Shining photocatalysis by gold-based nanomaterials. Nano Energy, 2021, 88, 106306.	16.0	64
22	Marrying luminescent Au nanoclusters to TiO₂ for visible-light-driven antibacterial application. Nanoscale, 2021, 13, 18996-19003.	5.6	18
23	MoS2 nanoflakes-coated electrospun carbon nanofibers for â€œrocking-chairâ€•capacitive deionization. Desalination, 2021, 520, 115376.	8.2	36
24	MoC nanoparticle-embedded carbon nanofiber aerogels as flow-through electrodes for highly efficient pseudocapacitive deionization. Journal of Materials Chemistry A, 2020, 8, 1443-1450.	10.3	43
25	Embedding ultrasmall Ag nanoclusters in Luria-Bertani extract via light irradiation for enhanced antibacterial activity. Nano Research, 2020, 13, 203-208.	10.4	46
26	Highly Luminescent AuAg Nanoclusters with Aggregation-Induced Emission for High-Performance White LED Application. ACS Sustainable Chemistry and Engineering, 2020, 8, 15336-15343.	6.7	26
27	Mn2O3 nanoflower decorated electrospun carbon nanofibers for efficient hybrid capacitive deionization. Desalination, 2020, 494, 114665.	8.2	44
28	From understanding the roles of tetraoctylammonium bromide in the two-phase Brustâ€“Schiffrin method to tuning the size of gold nanoclusters. Nanoscale, 2020, 12, 19855-19860.	5.6	18
29	The in situ synthesis of silver nanoclusters inside a bacterial cellulose hydrogel for antibacterial applications. Journal of Materials Chemistry B, 2020, 8, 4846-4850.	5.8	35
30	Effect of subtle changes of isomeric ligands on the synthesis of atomically precise water-soluble gold nanoclusters. Nanoscale, 2020, 12, 6449-6455.	5.6	14
31	Miscibleâ€Solventâ€Assisted Twoâ€Phase Synthesis of Monolayerâ€Ligandâ€Protected Metal Nanoclusters with Various Sizes. Advanced Materials, 2020, 32, e1906063.	21.0	29
32	Rocking-chair capacitive deionization with flow-through electrodes. Journal of Materials Chemistry A, 2020, 8, 8476-8484.	10.3	58
33	Atomicâ€Precision Gold Clusters for NIRâ€II Imaging. Advanced Materials, 2019, 31, e1901015.	21.0	279
34	Real Time Monitoring of the Dynamic Intracluster Diffusion of Single Gold Atoms into Silver Nanoclusters. Journal of the American Chemical Society, 2019, 141, 18977-18983.	13.7	73
35	Water-soluble metal nanoclusters: recent advances in molecular-level exploration and biomedical applications. Dalton Transactions, 2019, 48, 10385-10392.	3.3	30
36	Silver Dopingâ€Induced Luminescence Enhancement and Redâ€Shift of Gold Nanoclusters with Aggregationâ€Induced Emission. Chemistry - an Asian Journal, 2019, 14, 765-769.	3.3	55

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37	Antimicrobial strategies for urinary catheters. Journal of Biomedical Materials Research - Part A, 2019, 107, 445-467.	4.0	90
38	Metal Nanoclusters: Engineering Functional Metal Materials at the Atomic Level (Adv. Mater. 47/2018). Advanced Materials, 2018, 30, 1870358.	21.0	10
39	Toward Total Synthesis of Thiolate-Protected Metal Nanoclusters. Accounts of Chemical Research, 2018, 51, 1338-1348.	15.6	422
40	Engineering Functional Metal Materials at the Atomic Level. Advanced Materials, 2018, 30, e1802751.	21.0	170
41	Understanding seed-mediated growth of gold nanoclusters at molecular level. Nature Communications, 2017, 8, 927.	12.8	228
42	Engineering gold-based radiosensitizers for cancer radiotherapy. Materials Horizons, 2017, 4, 817-831.	12.2	173
43	Effect of ligand structure on the size control of mono- and bi-thiolate-protected silver nanoclusters. Chemical Communications, 2017, 53, 9697-9700.	4.1	40
44	Heating or Cooling: Temperature Effects on the Synthesis of Atomically Precise Gold Nanoclusters. Journal of Physical Chemistry C, 2017, 121, 10743-10751.	3.1	32
45	Insights into the effect of surface ligands on the optical properties of thiolated Au₂₅nanoclusters. Chemical Communications, 2016, 52, 5234-5237.	4.1	75
46	Introducing Amphiphilicity to Noble Metal Nanoclusters via Phase-Transfer Driven Ion-Pairing Reaction. Journal of the American Chemical Society, 2015, 137, 2128-2136.	13.7	139
47	Recent Advances in the Synthesis and Applications of Ultrasmall Bimetallic Nanoclusters. Particle and Particle Systems Characterization, 2015, 32, 613-629.	2.3	102
48	The support effect on the size and catalytic activity of thiolated Au₂₅nanoclusters as precatalysts. Nanoscale, 2015, 7, 6325-6333.	5.6	142
49	Ultrasmall Glutathione-Protected Gold Nanoclusters as Next Generation Radiotherapy Sensitizers with High Tumor Uptake and High Renal Clearance. Scientific Reports, 2015, 5, 8669.	3.3	212
50	Enhancing stability through ligand-shell engineering: A case study with Au25(SR)18 nanoclusters. Nano Research, 2015, 8, 3488-3495.	10.4	66
51	Boiling water synthesis of ultrastable thiolated silver nanoclusters with aggregation-induced emission. Chemical Communications, 2015, 51, 15165-15168.	4.1	128
52	Counterionâ€Assisted Shaping of Nanocluster Supracrystals. Angewandte Chemie - International Edition, 2015, 54, 184-189.	13.8	81
53	Solvent Controls the Formation of Au₂₉(SR)₂₀ Nanoclusters in the COâ€Reduction Method. Particle and Particle Systems Characterization, 2014, 31, 652-656.	2.3	22
54	Ultrasmall Ag+-rich nanoclusters as highly efficient nanoreservoirs for bacterial killing. Nano Research, 2014, 7, 301-307.	10.4	139

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55	Balancing the Rate of Cluster Growth and Etching for Gramâ€Scale Synthesis of Thiolateâ€Protected Au₂₅ Nanoclusters with Atomic Precision. Angewandte Chemie - International Edition, 2014, 53, 4623-4627.	13.8	276
56	Lighting up thiolated Au@Ag nanoclusters via aggregation-induced emission. Nanoscale, 2014, 6, 157-161.	5.6	186
57	Recent advances in the synthesis, characterization, and biomedical applications of ultrasmall thiolated silver nanoclusters. RSC Advances, 2014, 4, 60581-60596.	3.6	128
58	Novel Theranostic DNA Nanoscaffolds for the Simultaneous Detection and Killing of Escherichia coli and Staphylococcus aureus. ACS Applied Materials & Interfaces, 2014, 6, 21822-21831.	8.0	107
59	Facile synthesis of water-soluble Au25â€“xAgx nanoclusters protected by mono- and bi-thiolate ligands. Chemical Communications, 2014, 50, 7459.	4.1	59
60	The influence of lysosomal stability of silver nanomaterials on their toxicity to human cells. Biomaterials, 2014, 35, 6707-6715.	11.4	158
61	Assembly of Nanoions via Electrostatic Interactions: Ion-Like Behavior of Charged Noble Metal Nanoclusters. Scientific Reports, 2014, 4, 3848.	3.3	47
62	Glutathione-Protected Silver Nanoclusters as Cysteine-Selective Fluorometric and Colorimetric Probe. Analytical Chemistry, 2013, 85, 1913-1919.	6.5	312
63	Highly luminescent silver nanoclusters with tunable emissions: cyclic reductionâ€“decomposition synthesis and antimicrobial properties. NPG Asia Materials, 2013, 5, e39-e39.	7.9	237
64	Luminescent Noble Metal Nanoclusters as an Emerging Optical Probe for Sensor Development. Chemistry - an Asian Journal, 2013, 8, 858-871.	3.3	299
65	Precursor engineering and controlled conversion for the synthesis of monodisperse thiolate-protected metal nanoclusters. Nanoscale, 2013, 5, 4606.	5.6	100
66	Traveling through the Desalting Column Spontaneously Transforms Thiolated Ag Nanoclusters from Nonluminescent to Highly Luminescent. Journal of Physical Chemistry Letters, 2013, 4, 1811-1815.	4.6	31
67	Twoâ€Phase Synthesis of Small Thiolateâ€Protected Au₁₅ and Au₁₈ Nanoclusters. Small, 2013, 9, 2696-2701.	10.0	74
68	From Aggregation-Induced Emission of Au(I)â€“Thiolate Complexes to Ultrabright Au(0)@Au(I)â€“Thiolate Coreâ€“Shell Nanoclusters. Journal of the American Chemical Society, 2012, 134, 16662-16670.	13.7	1,340
69	Highly luminescent Ag+ nanoclusters for Hg2+ ion detection. Nanoscale, 2012, 4, 1968.	5.6	118
70	Fast Synthesis of Thiolated Au₂₅ Nanoclusters via Protectionâ€“Deprotection Method. Journal of Physical Chemistry Letters, 2012, 3, 2310-2314.	4.6	71
71	Synthesis of Highly Fluorescent Metal (Ag, Au, Pt, and Cu) Nanoclusters by Electrostatically Induced Reversible Phase Transfer. ACS Nano, 2011, 5, 8800-8808.	14.6	362
72	Capacitive performance of mesoporous carbons derived from the citrates in ionic liquid. Carbon, 2010, 48, 2765-2772.	10.3	59

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73	Mesoporous carbons derived from citrates for use in electrochemical capacitors. New Carbon Materials, 2010, 25, 370-375.	6.1	26
74	Preparation of polyanilineâ€coated mesoporous carbon and its enhanced electrochemical properties. Polymers for Advanced Technologies, 2009, 20, 1179-1182.	3.2	10
75	Preparation and application of mesoporous Fe/carbon composites as a drug carrier. Microporous and Mesoporous Materials, 2009, 117, 678-684.	4.4	40
76	Hierarchical porous carbons with high performance for supercapacitor electrodes. Carbon, 2009, 47, 1715-1722.	10.3	303
77	Adsorption of bulky molecules of nonylphenol ethoxylate on ordered mesoporous carbons. Journal of Colloid and Interface Science, 2008, 322, 558-565.	9.4	29
78	Morphological control in synthesis of cobalt basic carbonate nanorods assembly. Materials Letters, 2008, 62, 1396-1399.	2.6	15
79	Aqueous dye adsorption on ordered mesoporous carbons. Journal of Colloid and Interface Science, 2007, 310, 83-89.	9.4	154