Juan Du

List of Publications by Year
in descending order

87 papers	1,885 citations	236925 25 h-index	315739 38 g-index
88 all docs	88 docs citations	88 times ranked	2765 citing authors

#	Article	IF	Citations
1	Thermally Stable, Biocompatible, and Flexible Organic Fieldâ€Effect Transistors and Their Application in Temperature Sensing Arrays for Artificial Skin. Advanced Functional Materials, 2015, 25, 2138-2146.	14.9	184
2	Modified Palmer Drought Severity Index: Model improvement and application. Environment International, 2019, 130, 104951.	10.0	72
3	Bi nanodendrites for efficient electrocatalytic N₂ fixation to NH₃ under ambient conditions. Chemical Communications, 2020, 56, 2107-2110.	4.1	71
4	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. RSC Advances, 2015, 5, 11667-11675.	3.6	68
5	N-Doped carbon dots: green and efficient synthesis on a large-scale and their application in fluorescent pH sensing. New Journal of Chemistry, 2017, 41, 10607-10612.	2.8	63
6	Arsenic Induces Functional Re-Expression of Estrogen Receptor Î± by Demethylation of DNA in Estrogen Receptor-Negative Human Breast Cancer. PLoS ONE, 2012, 7, e35957.	2.5	59
7	A highly sensitive visual sensor for tetracycline in food samples by a double-signal response fluorescent nanohybrid. Food Control, 2020, 108, 106832.	5.5	54
8	Sn dendrites for electrocatalytic N₂ reduction to NH₃ under ambient conditions. Sustainable Energy and Fuels, 2020, 4, 4469-4472.	4.9	54
9	Target-catalyzed autonomous assembly of dendrimer-like DNA nanostructures for enzyme-free and signal amplified colorimetric nucleic acids detection. Biosensors and Bioelectronics, 2016, 86, 985-989.	10.1	51
10	Fast microwave-assisted synthesis of AuAg bimetallic nanoclusters with strong yellow emission and their response to mercury(II) ions. Sensors and Actuators B: Chemical, 2015, 221, 386-392.	7.8	46
11	A FRET chemsensor based on graphene quantum dots for detecting and intracellular imaging of Hg 2+. Talanta, 2015, 143, 442-449.	5.5	41
12	A specific and biocompatible fluorescent sensor based on the hybrid of GFP chromophore and peptide for HSA detection. Biosensors and Bioelectronics, 2016, 86, 489-495.	10.1	40
13	Annual variation of landslide stability under the effect of water level fluctuation and rainfall in the Three Gorges Reservoir, China. Environmental Earth Sciences, 2017, 76, 1.	2.7	40
14	Identification of Putative Olfactory Genes from the Oriental Fruit Moth Grapholita molesta via an Antennal Transcriptome Analysis. PLoS ONE, 2015, 10, e0142193.	2.5	40
15	A selective fluorescent probe based on bis-Schiff base for â€œturn-onâ€•detection of Al³⁺and cysteine by different mechanisms. RSC Advances, 2016, 6, 25420-25426.	3.6	37
16	One-dimensional conductive metalâ€“organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. Journal of Materials Chemistry A, 2021, 9, 20345-20349.	10.3	36
17	A selective and sensitive fluorescent probe for the determination of HSA and trypsin. Talanta, 2017, 170, 562-568.	5.5	35
18	Fluorescence assay for alkaline phosphatase activity based on energy transfer from terbium to europium in lanthanide coordination polymer nanoparticles. Journal of Materials Chemistry B, 2018, 6, 6008-6015.	5.8	35

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19	N-doped carbon dots with high sensitivity and selectivity for hypochlorous acid detection and its application in water. Analytical Methods, 2015, 7, 5311-5317.	2.7	31
20	A sensitive and selective chemosensor for ascorbic acid based on a fluorescent nitroxide switch. Talanta, 2015, 132, 191-196.	5.5	30
21	Surfactant-free gold nanoparticles: rapid and green synthesis and their greatly improved catalytic activities for 4-nitrophenol reduction. Inorganic Chemistry Frontiers, 2017, 4, 1268-1272.	6.0	30
22	Self-assembly of DNA nanoparticles through multiple catalyzed hairpin assembly for enzyme-free nucleic acid amplified detection. Talanta, 2018, 179, 641-645.	5.5	28
23	A fluorescent â€œon-off-onâ€•probe for sensitive detection of ATP based on ATP displacing DNA from nanoceria. Talanta, 2018, 179, 285-291.	5.5	27
24	CdS nanotubes thin film for electrochemiluminescence analysis of phenolic compounds. Analytical Methods, 2012, 4, 1053.	2.7	26
25	Functional analysis of potato genes involved in quantitative resistance to Phytophthora infestans. Molecular Biology Reports, 2013, 40, 957-967.	2.3	25
26	Highly selective and sensitive fluorescence probe based on thymine-modified carbon dots for Hg²⁺ and <scp>l</scp>-cysteine detection. RSC Advances, 2015, 5, 89121-89127.	3.6	25
27	Magnetron sputtering enabled synthesis of nanostructured materials for electrochemical energy storage. Journal of Materials Chemistry A, 2020, 8, 20260-20285.	10.3	25
28	Effects of Polyvinyl Alcohol on the Adhesion Force of Tetrahydrofuran Hydrate Particles. Energy & Fuels, 2011, 25, 3204-3211.	5.1	24
29	Different Flooding Behaviors Due to Varied Urbanization Levels within River Basin: A Case Study from the Xiang River Basin, China. International Journal of Disaster Risk Science, 2019, 10, 89-102.	2.9	23
30	Kindlin-2 inhibits serous epithelial ovarian cancer peritoneal dissemination and predicts patient outcomes. Biochemical and Biophysical Research Communications, 2014, 446, 187-194.	2.1	22
31	Development and Fecundity Performance of Oriental Fruit Moth (Lepidoptera: Tortricidae) Reared on Shoots and Fruits of Peach and Pear in Different Seasons. Environmental Entomology, 2015, 44, 1522-1530.	1.4	22
32	Ag2O/sodium alginate supramolecular hydrogel as a film photocatalyst for removal of organic dyes in wastewater. RSC Advances, 2017, 7, 15077-15083.	3.6	22
33	Characterizing the Development Pattern of a Colluvial Landslide Based on Long-Term Monitoring in the Three Gorges Reservoir. Remote Sensing, 2021, 13, 224.	4.0	21
34	Effects of Amine Additives on Critical Micelle Concentration of Ionic Surfactants. Journal of Dispersion Science and Technology, 2003, 24, 755-760.	2.4	20
35	Evaluating extreme precipitation estimations based on the GPM IMERG products over the Yangtze River Basin, China. Geomatics, Natural Hazards and Risk, 2020, 11, 601-618.	4.3	20
36	Effects of Cyclodextrins as Additives on Surfactant CMC. Journal of Dispersion Science and Technology, 2003, 24, 63-66.	2.4	19

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37	Silencing of Î±-amylase StAmy23 in potato tuber leads to delayed sprouting. Plant Physiology and Biochemistry, 2019, 139, 411-418.	5.8	19
38	Visible Light-Driven Dâ€“A Conjugated Linear Polymer and Its Coating for Dual Highly Efficient Photocatalytic Degradation and Disinfection. ACS Applied Materials & Interfaces, 2021, 13, 51447-51458.	8.0	19
39	Hydrophobic AgNPs: one-step synthesis in aqueous solution and their greatly enhanced performance for SERS detection. Journal of Materials Chemistry C, 2019, 7, 10465-10470.	5.5	18
40	An Energy-Based Method to Determine Rock Brittleness by Considering Rock Damage. Rock Mechanics and Rock Engineering, 2022, 55, 1585-1597.	5.4	17
41	Effects of Metal Ions on the Micellization of Ionic Surfactants. Journal of Dispersion Science and Technology, 2001, 22, 529-533.	2.4	16
42	Different Gene Expressions of Resistant and Susceptible Maize Inbreds in Response to Fusarium verticillioides Infection. Plant Molecular Biology Reporter, 2013, 31, 925-935.	1.8	16
43	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient N₂ Reduction to NH₃. Inorganic Chemistry, 2021, 60, 7584-7589.	4.0	15
44	Studies on PNPP Hydrolysis Catalyzed by Schiff Base Cobalt(II) Complexes. Chinese Journal of Chemistry, 2006, 24, 1498-1504.	4.9	14
45	A Hg2+ selective fluorescent chemosensor based on rhodamine B thiohydrazide and its application in bioimaging. Analytical Methods, 2012, 4, 2369.	2.7	14
46	An Uncertainty Method for Probabilistic Analysis of Buildings Impacted by Rockfall in a Limestone Quarry in Fengshan, Southwestern China. Rock Mechanics and Rock Engineering, 2015, 48, 1981-1996.	5.4	14
47	Isolation and characterization of two novel psychrotrophic decabromodiphenyl ether-degrading bacteria from river sediments. Environmental Science and Pollution Research, 2016, 23, 10371-10381.	5.3	14
48	Development of Î²-cyclodextrin-Modified Silica and Polyporous Polymer Particles for Solid-Phase Extraction of Methyl Jasmonate in Aqueous and Plant Samples. Analytical Letters, 2013, 46, 900-911.	1.8	13
49	Metallomicellar Catalysis: Hydrolysis of Phosphodiester with Cu(II) and Zn(II) Complexes in Micellar Solution. Journal of Dispersion Science and Technology, 2003, 24, 683-689.	2.4	12
50	Studies on PNPP Hydrolysis Catalyzed by Schiff Base Cobalt(II) Complexes Containing Benzoaza-15-crown-5. Chinese Journal of Chemistry, 2007, 25, 765-771.	4.9	12
51	Synthesis and application of a novel combined kinetic hydrate inhibitor. Science China Technological Sciences, 2011, 54, 3289-3295.	4.0	12
52	Integrin-interacting protein Kindlin-2 induces mammary tumors in transgenic mice. Science China Life Sciences, 2019, 62, 225-234.	4.9	12
53	Interspecific potato somatic hybrids between Solanum malmeanum and S. tuberosum provide valuable resources for freezing-tolerance breeding. Plant Cell, Tissue and Organ Culture, 2021, 147, 73-83.	2.3	12
54	The antibacterial activity and mechanism of polyurethane coating with quaternary ammonium salt. Journal of Polymer Research, 2022, 29, 1.	2.4	12

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55	Strengthening Network of Polyacrylic Acid/Silica Nanocomposite Hydrogels. Polymer Composites, 2018, 39, 3969-3976.	4.6	10
56	The synthesis of highly active carbon dot-coated gold nanoparticles via the room-temperature in situ carbonization of organic ligands for 4-nitrophenol reduction. RSC Advances, 2020, 10, 19419-19424.	3.6	10
57	Dual-readout performance of Eu³⁺-doped nanoceria as a phosphatase mimic for degradation and detection of organophosphate. Analytical Methods, 2021, 13, 4747-4755.	2.7	10
58	Positive Charged Polymer as a Probe for DNA Determination by Resonance Light Scattering. Analytical Sciences, 2009, 25, 727-730.	1.6	9
59	A long-persistent phosphorescent chemosensor for the detection of TNP based on CaTiO₃:Pr³⁺@SiO₂ photoluminescence materials. RSC Advances, 2018, 8, 16603-16610.	3.6	8
60	Construction of a luminescent sensor based on a lanthanide complex for the highly efficient detection of methyl parathion. RSC Advances, 2019, 9, 13048-13053.	3.6	8
61	Comparative Reactivity of Phosphate Ester Hydrolysis Catalyzed by Mononuclear and Hetero-Dinuclear Complexes Containing the Lanthanum Ion (III). Transition Metal Chemistry, 2004, 29, 361-367.	1.4	7
62	Facile Synthesis of a Polycatenane Compound Based on Ag-triazole Complexes and Phosphomolybdic Acid for the Catalytic Epoxidation of Olefins with Molecular Oxygen. Catalysts, 2019, 9, 568.	3.5	7
63	Construction of a ratiometric phosphorescent assay with long-lived carbon quantum dots and inorganic nanoparticles for its application in environmental and biological systems. New Journal of Chemistry, 2019, 43, 12410-12416.	2.8	7
64	SbRFP1 regulates cold-induced sweetening of potato tubers by inactivation of StBAM1. Plant Physiology and Biochemistry, 2019, 136, 215-221.	5.8	7
65	Micelle Catalyzed Hydrolysis of Carboxylic Acid Esters in Waterâ€“Î²â€Cyclodextrinâ€“Cetyltrimethylammonium Bromide Systems. Journal of Dispersion Science and Technology, 2003, 24, 97-101.	2.4	6
66	A self-assembled net structured film for the immobilization of tris(2,2â€²-bipyridyl)ruthenium(<scp>ii</scp>) and its ultrasensitive electrogenerated chemiluminescent sensing for phenol. RSC Advances, 2014, 4, 467-473.	3.6	6
67	Metallomicellar Catalytic Hydrolysis of Bis(4â€nitrophenyl) Phosphate by CuIINiIIHeterodinuclear Complexes in Brij35 Micellar Solution. Journal of Dispersion Science and Technology, 2005, 26, 321-327.	2.4	5
68	Proteomic analysis of differentially expressed proteins of Nicotiana benthamiana triggered by INF1 elicitin from Phytophthora infestans. Journal of General Plant Pathology, 2017, 83, 66-77.	1.0	5
69	Influence of graphene oxide with different degrees of oxidation on the conductivity of graphene/poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) composites. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 652-660.	2.1	5
70	Risk post-assessment and management of a waste slag site under extreme scenarios. Bulletin of Engineering Geology and the Environment, 2020, 79, 2659-2677.	3.5	5
71	Potassium-incorporated manganese oxide enhances the activity and durability of platinum catalysts for low-temperature CO oxidation. Catalysis Science and Technology, 2021, 11, 6369-6373.	4.1	5
72	Hydrolysis of BNPP Catalyzed by the Crowned Schiff Base Co(II) Complex Containing Benzoazaâ€15â€Crownâ€5 in Micellar Solution. Journal of Dispersion Science and Technology, 2007, 28, 749-756.	2.4	4

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73	Hysteresis modeling for IPMC actuators with rate-dependent Preisach model. , 2014, , .		4
74	Diagrammatize movement disintegration patterns of bedding rockslide. Environmental Earth Sciences, 2016, 75, 1.	2.7	4
75	Electrocatalytic H₂O₂ production via two-electron O₂ reduction by Mo-doped TiO₂ nanocrystallines. Catalysis Science and Technology, 2021, 11, 6970-6974.	4.1	4
76	Visible-light-induced bactericidal properties of a novel thiophene-based linear conjugated polymer/TiO₂ heterojunction. Journal of Materials Chemistry B, 2022, 10, 737-747.	5.8	4
77	Hydrolysis of PNPP Catalyzed by Cu (II), Ni (II) Schiff Base Complexes in CTAB Micellar Solution. Journal of Dispersion Science and Technology, 2007, 28, 681-687.	2.4	3
78	Hydrolysis of PNPP Catalyzed by Metallomicelles Made of Schiff Base Cobalt(II) Complexes. Journal of Dispersion Science and Technology, 2010, 31, 529-535.	2.4	3
79	Highâ€performance printable paperâ€like composites derived from plastic flexible film wastes. Polymer International, 2020, 69, 184-191.	3.1	3
80	Biomass-derived porous carbon with high drug adsorption capacity undergoes enzymatic and chemical degradation. Journal of Colloid and Interface Science, 2022, 622, 87-96.	9.4	3
81	Studies on PNPP Hydrolysis Catalyzed by Divalent Metal Ion Macrocyclic Schiff Base Complexes in Micellar Solution. Journal of Dispersion Science and Technology, 2007, 28, 860-868.	2.4	2
82	Microcalorimetric investigation on the kinetics of the oxidation of ascorbic acid with hydrogen peroxide. Chinese Journal of Chemistry, 2004, 22, 515-520.	4.9	2
83	Self-driven mercury motor via redox reaction in acid solution. RSC Advances, 2017, 7, 32552-32558.	3.6	1
84	Study on preparation and performance of PEDOT:PSS/PVA/Ag conductive fiber. Journal of the Textile Institute, 2022, 113, 1176-1184.	1.9	1
85	Related-tweakey impossible differential attack on QARMA-128. Science China Information Sciences, 2022, 65, 1.	4.3	0
86	Over-expression of exotic superoxide dismutase gene MnSOD and increase in stress resistance in maize. Zhi Wu Sheng Li Yu Fen Zi Sheng Wu Xue Xue Bao = Journal of Plant Physiology and Molecular Biology, 2006, 32, 57-63.	0.0	0
87	Coexisting Chloride Ion for Boosting the Photoelectrocatalytic Degradation Efficiency of Organic Dyes. Catalysis Letters, 0, , 1.	2.6	0