

# Juan Du

## List of Publications by Year in descending order

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87  
papers

1,885  
citations

236612

25  
h-index

315357

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 Field-Effect Transistors and Their Application in Temperature Sensing Arrays for Artificial Skin. <i>Advanced Functional Materials</i> , 2015, 25, 2138-2146.	7.8	184
2	Modified Palmer Drought Severity Index: Model improvement and application. <i>Environment International</i> , 2019, 130, 104951.	4.8	72
3	Bi nanodendrites for efficient electrocatalytic N <sub>2</sub> fixation to NH <sub>3</sub> under ambient conditions. <i>Chemical Communications</i> , 2020, 56, 2107-2110.	2.2	71
4	One pot selective synthesis of water and organic soluble carbon dots with green fluorescence emission. <i>RSC Advances</i> , 2015, 5, 11667-11675.	1.7	68
5	N-Doped carbon dots: green and efficient synthesis on a large-scale and their application in fluorescent pH sensing. <i>New Journal of Chemistry</i> , 2017, 41, 10607-10612.	1.4	63
6	Arsenic Induces Functional Re-Expression of Estrogen Receptor $\beta$ by Demethylation of DNA in Estrogen Receptor-Negative Human Breast Cancer. <i>PLoS ONE</i> , 2012, 7, e35957.	1.1	59
7	A highly sensitive visual sensor for tetracycline in food samples by a double-signal response fluorescent nanohybrid. <i>Food Control</i> , 2020, 108, 106832.	2.8	54
8	Sn dendrites for electrocatalytic N <sub>2</sub> reduction to NH <sub>3</sub> under ambient conditions. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4469-4472.	2.5	54
9	Target-catalyzed autonomous assembly of dendrimer-like DNA nanostructures for enzyme-free and signal amplified colorimetric nucleic acids detection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 985-989.	5.3	51
10	Fast microwave-assisted synthesis of AuAg bimetallic nanoclusters with strong yellow emission and their response to mercury(II) ions. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 386-392.	4.0	46
11	A FRET chemsensor based on graphene quantum dots for detecting and intracellular imaging of Hg <sup>2+</sup> . <i>Talanta</i> , 2015, 143, 442-449.	2.9	41
12	A specific and biocompatible fluorescent sensor based on the hybrid of GFP chromophore and peptide for HSA detection. <i>Biosensors and Bioelectronics</i> , 2016, 86, 489-495.	5.3	40
13	Annual variation of landslide stability under the effect of water level fluctuation and rainfall in the Three Gorges Reservoir, China. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	1.3	40
14	Identification of Putative Olfactory Genes from the Oriental Fruit Moth <i>Grapholita molesta</i> via an Antennal Transcriptome Analysis. <i>PLoS ONE</i> , 2015, 10, e0142193.	1.1	40
15	A selective fluorescent probe based on bis-Schiff base for "turn-on" detection of Al <sup>3+</sup> and cysteine by different mechanisms. <i>RSC Advances</i> , 2016, 6, 25420-25426.	1.7	37
16	One-dimensional conductive metal-organic framework nanorods: a highly selective electrocatalyst for the oxygen reduction to hydrogen peroxide. <i>Journal of Materials Chemistry A</i> , 2021, 9, 20345-20349.	5.2	36
17	A selective and sensitive fluorescent probe for the determination of HSA and trypsin. <i>Talanta</i> , 2017, 170, 562-568.	2.9	35
18	Fluorescence assay for alkaline phosphatase activity based on energy transfer from terbium to europium in lanthanide coordination polymer nanoparticles. <i>Journal of Materials Chemistry B</i> , 2018, 6, 6008-6015.	2.9	35

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19	N-doped carbon dots with high sensitivity and selectivity for hypochlorous acid detection and its application in water. <i>Analytical Methods</i> , 2015, 7, 5311-5317.	1.3	31
20	A sensitive and selective chemosensor for ascorbic acid based on a fluorescent nitroxide switch. <i>Talanta</i> , 2015, 132, 191-196.	2.9	30
21	Surfactant-free gold nanoparticles: rapid and green synthesis and their greatly improved catalytic activities for 4-nitrophenol reduction. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 1268-1272.	3.0	30
22	Self-assembly of DNA nanoparticles through multiple catalyzed hairpin assembly for enzyme-free nucleic acid amplified detection. <i>Talanta</i> , 2018, 179, 641-645.	2.9	28
23	A fluorescent "on-off-on" probe for sensitive detection of ATP based on ATP displacing DNA from nanoceria. <i>Talanta</i> , 2018, 179, 285-291.	2.9	27
24	CdS nanotubes thin film for electrochemiluminescence analysis of phenolic compounds. <i>Analytical Methods</i> , 2012, 4, 1053.	1.3	26
25	Functional analysis of potato genes involved in quantitative resistance to <i>Phytophthora infestans</i> . <i>Molecular Biology Reports</i> , 2013, 40, 957-967.	1.0	25
26	Highly selective and sensitive fluorescence probe based on thymine-modified carbon dots for Hg <sup>2+</sup> and l-cysteine detection. <i>RSC Advances</i> , 2015, 5, 89121-89127.	1.7	25
27	Magnetron sputtering enabled synthesis of nanostructured materials for electrochemical energy storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 20260-20285.	5.2	25
28	Effects of Polyvinyl Alcohol on the Adhesion Force of Tetrahydrofuran Hydrate Particles. <i>Energy &amp; Fuels</i> , 2011, 25, 3204-3211.	2.5	24
29	Different Flooding Behaviors Due to Varied Urbanization Levels within River Basin: A Case Study from the Xiang River Basin, China. <i>International Journal of Disaster Risk Science</i> , 2019, 10, 89-102.	1.3	23
30	Kindlin-2 inhibits serous epithelial ovarian cancer peritoneal dissemination and predicts patient outcomes. <i>Biochemical and Biophysical Research Communications</i> , 2014, 446, 187-194.	1.0	22
31	Development and Fecundity Performance of Oriental Fruit Moth (Lepidoptera: Tortricidae) Reared on Shoots and Fruits of Peach and Pear in Different Seasons. <i>Environmental Entomology</i> , 2015, 44, 1522-1530.	0.7	22
32	Ag <sub>2</sub> O/sodium alginate supramolecular hydrogel as a film photocatalyst for removal of organic dyes in wastewater. <i>RSC Advances</i> , 2017, 7, 15077-15083.	1.7	22
33	Characterizing the Development Pattern of a Colluvial Landslide Based on Long-Term Monitoring in the Three Gorges Reservoir. <i>Remote Sensing</i> , 2021, 13, 224.	1.8	21
34	Effects of Amine Additives on Critical Micelle Concentration of Ionic Surfactants. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 755-760.	1.3	20
35	Evaluating extreme precipitation estimations based on the GPM IMERG products over the Yangtze River Basin, China. <i>Geomatics, Natural Hazards and Risk</i> , 2020, 11, 601-618.	2.0	20
36	Effects of Cyclodextrins as Additives on Surfactant CMC. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 63-66.	1.3	19

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37	Silencing of $\alpha$ -amylase StAmy23 in potato tuber leads to delayed sprouting. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 411-418.	2.8	19
38	Visible Light-Driven $\alpha$ -A Conjugated Linear Polymer and Its Coating for Dual Highly Efficient Photocatalytic Degradation and Disinfection. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 51447-51458.	4.0	19
39	Hydrophobic AgNPs: one-step synthesis in aqueous solution and their greatly enhanced performance for SERS detection. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10465-10470.	2.7	18
40	An Energy-Based Method to Determine Rock Brittleness by Considering Rock Damage. <i>Rock Mechanics and Rock Engineering</i> , 2022, 55, 1585-1597.	2.6	17
41	Effects of Metal Ions on the Micellization of Ionic Surfactants. <i>Journal of Dispersion Science and Technology</i> , 2001, 22, 529-533.	1.3	16
42	Different Gene Expressions of Resistant and Susceptible Maize Inbreds in Response to <i>Fusarium verticillioides</i> Infection. <i>Plant Molecular Biology Reporter</i> , 2013, 31, 925-935.	1.0	16
43	In Situ Derived Bi Nanoparticles Confined in Carbon Rods as an Efficient Electrocatalyst for Ambient $N_2$ Reduction to $NH_3$ . <i>Inorganic Chemistry</i> , 2021, 60, 7584-7589.	1.9	15
44	Studies on PNPP Hydrolysis Catalyzed by Schiff Base Cobalt(II) Complexes. <i>Chinese Journal of Chemistry</i> , 2006, 24, 1498-1504.	2.6	14
45	A $Hg^{2+}$ selective fluorescent chemosensor based on rhodamine B thiohydrazide and its application in bioimaging. <i>Analytical Methods</i> , 2012, 4, 2369.	1.3	14
46	An Uncertainty Method for Probabilistic Analysis of Buildings Impacted by Rockfall in a Limestone Quarry in Fengshan, Southwestern China. <i>Rock Mechanics and Rock Engineering</i> , 2015, 48, 1981-1996.	2.6	14
47	Isolation and characterization of two novel psychrotrophic decabromodiphenyl ether-degrading bacteria from river sediments. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10371-10381.	2.7	14
48	Development of $\beta$ -cyclodextrin-Modified Silica and Polyporous Polymer Particles for Solid-Phase Extraction of Methyl Jasmonate in Aqueous and Plant Samples. <i>Analytical Letters</i> , 2013, 46, 900-911.	1.0	13
49	Metallomicellar Catalysis: Hydrolysis of Phosphodiester with Cu(II) and Zn(II) Complexes in Micellar Solution. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 683-689.	1.3	12
50	Studies on PNPP Hydrolysis Catalyzed by Schiff Base Cobalt(II) Complexes Containing Benzoaza-15-crown-5. <i>Chinese Journal of Chemistry</i> , 2007, 25, 765-771.	2.6	12
51	Synthesis and application of a novel combined kinetic hydrate inhibitor. <i>Science China Technological Sciences</i> , 2011, 54, 3289-3295.	2.0	12
52	Integrin-interacting protein Kindlin-2 induces mammary tumors in transgenic mice. <i>Science China Life Sciences</i> , 2019, 62, 225-234.	2.3	12
53	Interspecific potato somatic hybrids between <i>Solanum malmeanum</i> and <i>S. tuberosum</i> provide valuable resources for freezing-tolerance breeding. <i>Plant Cell, Tissue and Organ Culture</i> , 2021, 147, 73-83.	1.2	12
54	The antibacterial activity and mechanism of polyurethane coating with quaternary ammonium salt. <i>Journal of Polymer Research</i> , 2022, 29, 1.	1.2	12

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55	Strengthening Network of Polyacrylic Acid/Silica Nanocomposite Hydrogels. <i>Polymer Composites</i> , 2018, 39, 3969-3976.	2.3	10
56	The synthesis of highly active carbon dot-coated gold nanoparticles <i>via</i> the room-temperature <i>in situ</i> carbonization of organic ligands for 4-nitrophenol reduction. <i>RSC Advances</i> , 2020, 10, 19419-19424.	1.7	10
57	Dual-readout performance of Eu <sup>3+</sup> -doped nanoceria as a phosphatase mimic for degradation and detection of organophosphate. <i>Analytical Methods</i> , 2021, 13, 4747-4755.	1.3	10
58	Positive Charged Polymer as a Probe for DNA Determination by Resonance Light Scattering. <i>Analytical Sciences</i> , 2009, 25, 727-730.	0.8	9
59	A long-persistent phosphorescent chemosensor for the detection of TNP based on CaTiO <sub>3</sub> :Pr <sup>3+</sup> @SiO <sub>2</sub> photoluminescence materials. <i>RSC Advances</i> , 2018, 8, 16603-16610.	1.7	8
60	Construction of a luminescent sensor based on a lanthanide complex for the highly efficient detection of methyl parathion. <i>RSC Advances</i> , 2019, 9, 13048-13053.	1.7	8
61	Comparative Reactivity of Phosphate Ester Hydrolysis Catalyzed by Mononuclear and Hetero-Dinuclear Complexes Containing the Lanthanum Ion (III). <i>Transition Metal Chemistry</i> , 2004, 29, 361-367.	0.7	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. <i>Catalysts</i> , 2019, 9, 568.	1.6	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. <i>New Journal of Chemistry</i> , 2019, 43, 12410-12416.	1.4	7
64	SbRFP1 regulates cold-induced sweetening of potato tubers by inactivation of StBAM1. <i>Plant Physiology and Biochemistry</i> , 2019, 136, 215-221.	2.8	7
65	Micelle Catalyzed Hydrolysis of Carboxylic Acid Esters in Water-Cyclodextrin-Cetyltrimethylammonium Bromide Systems. <i>Journal of Dispersion Science and Technology</i> , 2003, 24, 97-101.	1.3	6
66	A self-assembled net structured film for the immobilization of tris(2,2'-bipyridyl)ruthenium(II) and its ultrasensitive electrogenerated chemiluminescent sensing for phenol. <i>RSC Advances</i> , 2014, 4, 467-473.	1.7	6
67	Metallomicellar Catalytic Hydrolysis of Bis(4-nitrophenyl) Phosphate by CuII/NiII Heterodinuclear Complexes in Brij35 Micellar Solution. <i>Journal of Dispersion Science and Technology</i> , 2005, 26, 321-327.	1.3	5
68	Proteomic analysis of differentially expressed proteins of <i>Nicotiana benthamiana</i> triggered by INF1 elicitor from <i>Phytophthora infestans</i> . <i>Journal of General Plant Pathology</i> , 2017, 83, 66-77.	0.6	5
69	Influence of graphene oxide with different degrees of oxidation on the conductivity of graphene/poly(3,4-ethylenedioxythiophene)/poly(styrenesulfonate) composites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2017, 25, 652-660.	1.0	5
70	Risk post-assessment and management of a waste slag site under extreme scenarios. <i>Bulletin of Engineering Geology and the Environment</i> , 2020, 79, 2659-2677.	1.6	5
71	Potassium-incorporated manganese oxide enhances the activity and durability of platinum catalysts for low-temperature CO oxidation. <i>Catalysis Science and Technology</i> , 2021, 11, 6369-6373.	2.1	5
72	Hydrolysis of BNPP Catalyzed by the Crowned Schiff Base Co(II) Complex Containing Benzoaza[15]Crown[5] in Micellar Solution. <i>Journal of Dispersion Science and Technology</i> , 2007, 28, 749-756.	1.3	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.	1.3	4
75	Electrocatalytic H <sub>2</sub> O <sub>2</sub> production via two-electron O <sub>2</sub> reduction by Mo-doped TiO <sub>2</sub> nanocrystallines. Catalysis Science and Technology, 2021, 11, 6970-6974.	2.1	4
76	Visible-light-induced bactericidal properties of a novel thiophene-based linear conjugated polymer/TiO <sub>2</sub> heterojunction. Journal of Materials Chemistry B, 2022, 10, 737-747.	2.9	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.	1.3	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.	1.3	3
79	High-performance printable paper-like composites derived from plastic flexible film wastes. Polymer International, 2020, 69, 184-191.	1.6	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.	5.0	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.	1.3	2
82	Microcalorimetric investigation on the kinetics of the oxidation of ascorbic acid with hydrogen peroxide. Chinese Journal of Chemistry, 2004, 22, 515-520.	2.6	2
83	Self-driven mercury motor via redox reaction in acid solution. RSC Advances, 2017, 7, 32552-32558.	1.7	1
84	Study on preparation and performance of PEDOT:PSS/PVA/Ag conductive fiber. Journal of the Textile Institute, 2022, 113, 1176-1184.	1.0	1
85	Related-tweakey impossible differential attack on QARMA-128. Science China Information Sciences, 2022, 65, 1.	2.7	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.	1.4	0