

# Faqin Dong

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4946253/publications.pdf>

Version: 2024-02-01

88  
papers

1,976  
citations

201674

27  
h-index

289244

40  
g-index

89  
all docs

89  
docs citations

89  
times ranked

2568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Column bioleaching copper and its kinetics of waste printed circuit boards (WPCBs) by <i>Acidithiobacillus ferrooxidans</i> . <i>Chemosphere</i> , 2015, 141, 162-168.	8.2	106
2	Electrochemical oxidation of COD from real textile wastewaters: Kinetic study and energy consumption. <i>Chemosphere</i> , 2017, 171, 332-338.	8.2	93
3	Ti/PbO <sub>2</sub> -Sm <sub>2</sub> O <sub>3</sub> composite based electrode for highly efficient electrocatalytic degradation of alizarin yellow R. <i>Journal of Colloid and Interface Science</i> , 2019, 533, 750-761.	9.4	85
4	Biosorption of uranium by <i>Saccharomyces cerevisiae</i> and surface interactions under culture conditions. <i>Bioresource Technology</i> , 2010, 101, 8573-8580.	9.6	84
5	In <sup>3+</sup> -doped BiVO <sub>4</sub> photoanodes with passivated surface states for photoelectrochemical water oxidation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10456-10465.	10.3	83
6	Reduced graphene oxide-CoFe <sub>2</sub> O <sub>4</sub> composites for supercapacitor electrode. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 359-364.	0.9	60
7	Oxygen-doped activated carbons derived from three kinds of biomass: preparation, characterization and performance as electrode materials for supercapacitors. <i>RSC Advances</i> , 2016, 6, 5949-5956.	3.6	56
8	Improved Surface Charge Transfer in MoO <sub>3</sub> /BiVO <sub>4</sub> Heterojunction Film for Photoelectrochemical Water Oxidation. <i>Electrochimica Acta</i> , 2017, 257, 181-191.	5.2	53
9	Poly(glycine)/graphene oxide modified glassy carbon electrode: Preparation, characterization and simultaneous electrochemical determination of dopamine, uric acid, guanine and adenine. <i>Analytica Chimica Acta</i> , 2018, 1031, 75-82.	5.4	50
10	Stable and tunable plasmon resonance of molybdenum oxide nanosheets from the ultraviolet to the near-infrared region for ultrasensitive surface-enhanced Raman analysis. <i>Chemical Science</i> , 2019, 10, 6330-6335.	7.4	50
11	Simultaneous removal and recovery of uranium from aqueous solution using TiO <sub>2</sub> photoelectrochemical reduction method. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 313, 59-67.	1.5	47
12	Optimized terbium doped Ti/PbO <sub>2</sub> dimensional stable anode as a strong tool for electrocatalytic degradation of imidacloprid waste water. <i>Ecotoxicology and Environmental Safety</i> , 2020, 188, 109921.	6.0	46
13	Phenolic endocrine disrupting chemicals in an urban receiving river (Panlong river) of Yunnanâ€“Guizhou plateau: Occurrence, bioaccumulation and sources. <i>Ecotoxicology and Environmental Safety</i> , 2016, 128, 133-142.	6.0	45
14	Spectroscopic study on biological mackinawite (FeS) synthesized by ferric reducing bacteria (FRB) and sulfate reducing bacteria (SRB): Implications for in-situ remediation of acid mine drainage. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 173, 544-548.	3.9	41
15	Co/Sm-modified Ti/PbO <sub>2</sub> anode for atrazine degradation: Effective electrocatalytic performance and degradation mechanism. <i>Chemosphere</i> , 2021, 268, 128799.	8.2	41
16	Magnetic Field-Assisted Photoelectrochemical Water Splitting: The Photoelectrodes Have Weaker Nonradiative Recombination of Carrier. <i>ACS Catalysis</i> , 2021, 11, 1242-1247.	11.2	41
17	Qinghaiâ€“tibetan plateau peatland sustainable utilization under anthropogenic disturbances and climate change. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	3.1	40
18	Effect of glycerol on the preparation of phosphogypsum-based CaSO <sub>4</sub> ·0.5H <sub>2</sub> O whiskers. <i>Journal of Materials Science</i> , 2014, 49, 1957-1963.	3.7	38

#	ARTICLE	IF	CITATIONS
19	Coal tar residues-based nanostructured activated carbon/Fe <sub>3</sub> O <sub>4</sub> composite electrode materials for supercapacitors. <i>Journal of Solid State Electrochemistry</i> , 2014, 18, 665-672.	2.5	38
20	Microscopic and Spectroscopic Insights into Uranium Phosphate Mineral Precipitated by <i>Bacillus Mucilaginosus</i> . <i>ACS Earth and Space Chemistry</i> , 2017, 1, 483-492.	2.7	38
21	Enhancing As(V) adsorption and passivation using biologically formed nano-sized FeS coatings on limestone: Implications for acid mine drainage treatment and neutralization. <i>Chemosphere</i> , 2017, 168, 529-538.	8.2	34
22	Biosorption of Strontium from Simulated Nuclear Wastewater by <i>Scenedesmus spinosus</i> under Culture Conditions: Adsorption and Bioaccumulation Processes and Models. <i>International Journal of Environmental Research and Public Health</i> , 2014, 11, 6099-6118.	2.6	33
23	Enhanced Photoelectrochemical Water Oxidation Performance on BiVO <sub>4</sub> by Coupling of CoMoO <sub>4</sub> as a Hole-Transfer and Conversion Cocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 42207-42216.	8.0	33
24	Adsorption of arsenic(V) on bone char: batch, column and modeling studies. <i>Environmental Earth Sciences</i> , 2014, 72, 2081-2090.	2.7	32
25	Objective Findings on the K-Doped <i>g</i> -C <sub>3</sub> N <sub>4</sub> Photocatalysts: The Presence and Influence of Organic Byproducts on K-Doped <i>g</i> -C <sub>3</sub> N <sub>4</sub> Photocatalysis. <i>Langmuir</i> , 2021, 37, 4859-4868.	3.5	32
26	The role of nano-sized manganese coatings on bone char in removing arsenic(V) from solution: Implications for permeable reactive barrier technologies. <i>Chemosphere</i> , 2016, 153, 146-154.	8.2	31
27	Dimensionally stable Ti/SnO <sub>2</sub> -RuO <sub>2</sub> composite electrode based highly efficient electrocatalytic degradation of industrial gallic acid effluent. <i>Chemosphere</i> , 2019, 224, 707-715.	8.2	31
28	Kinetics and pH-dependent uranium bioprecipitation by <i>Shewanella putrefaciens</i> under aerobic conditions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 312, 531-541.	1.5	30
29	Thermal decomposition based fabrication of dimensionally stable Ti/SnO <sub>2</sub> -RuO <sub>2</sub> anode for highly efficient electrocatalytic degradation of alizarin cyanin green. <i>Chemosphere</i> , 2020, 261, 128201.	8.2	27
30	Efficient extraction of U(VI) from uranium enrichment process wastewater by amine-aminophosphonate-modified polyacrylonitrile fibers. <i>Science of the Total Environment</i> , 2022, 831, 154743.	8.0	24
31	Boosted Water Oxidation Activity and Kinetics on BiVO <sub>4</sub> Photoanodes with Multihigh-Index Crystal Facets. <i>Inorganic Chemistry</i> , 2018, 57, 15280-15288.	4.0	22
32	Photoelectrochemical driving and clean synthesis of energetic salts of 5,5'-azotetrazolate at room temperature. <i>Green Chemistry</i> , 2018, 20, 3722-3726.	9.0	22
33	Programmed gradient descent biosorption of strontium ions by <i>Saccharomyces cerevisiae</i> and ashing analysis: A decrement solution for nuclide and heavy metal disposal. <i>Journal of Hazardous Materials</i> , 2016, 314, 295-303.	12.4	21
34	Electrocatalytic degradation of bromocresol green wastewater on Ti/SnO <sub>2</sub> -RuO <sub>2</sub> electrode. <i>Water Science and Technology</i> , 2017, 75, 220-227.	2.5	21
35	Contribution of surface functional groups and interface interaction to biosorption of strontium ions by <i>Saccharomyces cerevisiae</i> under culture conditions. <i>RSC Advances</i> , 2017, 7, 50880-50888.	3.6	20
36	MoO <sub>3</sub> /BiVO <sub>4</sub> heterojunction film with oxygen vacancies for efficient and stable photoelectrochemical water oxidation. <i>Journal of Materials Science</i> , 2019, 54, 671-682.	3.7	20

#	ARTICLE	IF	CITATIONS
37	Direct Blue Light-Induced Autocatalytic Oxidation of <i>p</i> -Phenylenediamine for Highly Sensitive Visual Detection of Triaminotrinitrobenzene. <i>Analytical Chemistry</i> , 2019, 91, 6155-6161.	6.5	19
38	Spectroscopic evidence and molecular simulation investigation of the bonding interaction between lysine and montmorillonite: Implications for the distribution of soil organic nitrogen. <i>Applied Clay Science</i> , 2018, 159, 3-9.	5.2	18
39	Polychlorinated biphenyls and organochlorine pesticides in atmospheric particulate matter of Northern China: distribution, sources, and risk assessment. <i>Environmental Science and Pollution Research</i> , 2015, 22, 17171-17181.	5.3	17
40	Preparation of Calcium Sulfate Hemihydrate and Application in Polypropylene Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6970-6975.	0.9	17
41	Characteristics and mechanism of uranium photocatalytic removal enhanced by chelating hole scavenger citric acid in a TiO <sub>2</sub> suspension system. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 319, 147-158.	1.5	16
42	Preparation of Anhydrous Calcium Sulfate Whiskers from Phosphogypsum in H <sub>2</sub> O-H <sub>2</sub> SO <sub>4</sub> ; Autoclave-Free Hydrothermal System. <i>Materials Transactions</i> , 2017, 58, 1111-1117.	1.2	15
43	Simultaneous voltammetric determination of guanine and adenine by using a glassy carbon electrode modified with a composite consisting of carbon quantum dots and overoxidized poly(2-aminopyridine). <i>Mikrochimica Acta</i> , 2018, 185, 107.	5.0	15
44	Microbially Mediated Stable Uranium Phosphate Nano-Biominerals. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6771-6780.	0.9	14
45	Cobalt disulfide nanosphere dispersed on multi-walled carbon nanotubes: an efficient and stable electrocatalyst for hydrogen evolution reaction. <i>Ionics</i> , 2018, 24, 3591-3599.	2.4	14
46	Threshold displacement energies and displacement cascades in 4H-SiC: Molecular dynamic simulations. <i>AIP Advances</i> , 2019, 9, .	1.3	14
47	Improving photoelectrochemical reduction of Cr(VI) ions by building $\text{Fe}^{2+}$ -Fe <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> electrode. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22455-22463.	5.3	13
48	A glassy carbon electrode modified with a nanocomposite consisting of carbon nanohorns and poly(2-aminopyridine) for non-enzymatic amperometric determination of hydrogen peroxide. <i>Mikrochimica Acta</i> , 2016, 183, 3237-3242.	5.0	12
49	Nanosized Fe <sub>3</sub> O <sub>4</sub> -modified activated carbon for supercapacitor electrodes. <i>Russian Journal of Electrochemistry</i> , 2013, 49, 354-358.	0.9	11
50	Novel one-pot hydrothermal fabrication of cuprous oxide-attapulgite/graphene for non-enzyme glucose sensing. <i>Analytical Methods</i> , 2015, 7, 2747-2753.	2.7	11
51	Enhanced Electrocatalytic Activity of Dual Template Based Pt/Cu@Zeolite A/Graphene for Methanol Electrooxidation. <i>Chinese Journal of Chemistry</i> , 2018, 36, 37-41.	4.9	11
52	Ordered NiO-TiO <sub>2</sub> nanotube arrays as an efficient catalyst support for methanol oxidation. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2015, 212, 2085-2090.	1.8	10
53	Synergistic interface behavior of strontium adsorption using mixed microorganisms. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22368-22377.	5.3	9
54	Chemically modified mesoporous wood: a versatile sensor for visual colorimetric detection of trinitrotoluene in water, air, and soil by smartphone camera. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 8063-8071.	3.7	9

#	ARTICLE	IF	CITATIONS
55	Tailored manganese hexacyanoferrate/graphene oxide nanocomposites: one-pot facile synthesis and favorable capacitance behavior for supercapacitors. <i>Journal of Materials Science: Materials in Electronics</i> , 2020, 31, 2720-2728.	2.2	9
56	Altering the substituents of salicylic acid to improve Berthelot reaction for ultrasensitive colorimetric detection of ammonium and atmospheric ammonia. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 5695-5702.	3.7	9
57	Organic acid mediated photoelectrochemical reduction of U(VI) to U(IV) in waste water: electrochemical parameters and spectroscopy. <i>RSC Advances</i> , 2021, 11, 23241-23248.	3.6	9
58	Mechanochemical Synthesis of Defective Molybdenum Trioxide, Titanium Dioxide, and Zinc Oxide at Room Temperature. <i>ACS Sustainable Chemistry and Engineering</i> , 0, , .	6.7	8
59	Nanobiocatalyst consisting of immobilized $\alpha$ -amylase on montmorillonite exhibiting enhanced enzymatic performance based on the allosteric effect. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 211, 112290.	5.0	8
60	Effect of Additives on Calcium Sulfate Hemihydrate Whiskers Morphology from Calcium Sulfate Dehydrate and Phosphogypsum. <i>Materials and Manufacturing Processes</i> , 2016, 31, 2037-2043.	4.7	7
61	Bifunctional nanozyme of copper organophyllosilicate for the ultrasensitive detection of hydroquinone. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 1039-1048.	3.7	7
62	Infrared and Raman spectroscopic characterizations on new Fe sulphoarsenate hilarionite (Fe <sub>2</sub> (III)(SO <sub>4</sub> )(AsO <sub>4</sub> )(OH)·6H <sub>2</sub> O): Implications for arsenic mineralogy in supergene environment of mine area. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2017, 170, 9-13.	3.9	6
63	Synergistic effects of electron shuttle AQS and <i>Alcaligenes faecalis</i> on photocatalytic removal of U(VI). <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2019, 322, 731-742.	1.5	6
64	Tiankeng: an ideal place for climate warming research on forest ecosystems. <i>Environmental Earth Sciences</i> , 2019, 78, 1.	2.7	6
65	Influence of troilite on the decomposition of ammonium jarosite and estimated activation energy. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 933-939.	3.6	6
66	Recovery elemental sulfur from calcium sulfide prepared by red gypsum in sulfuric acid wastewater treatment. <i>Journal of Material Cycles and Waste Management</i> , 2022, 24, 1542-1550.	3.0	6
67	Design and construction of copper-containing organophyllosilicates as laccase-mimicking nanozyme for efficient removal of phenolic pollutants. <i>Journal of Materials Science</i> , 2022, 57, 10084-10099.	3.7	6
68	In vitro genotoxicity of asbestos substitutes induced by coupled stimulation of dissolved high-valence ions and oxide radicals. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22356-22367.	5.3	5
69	CTAB-assisted microemulsion synthesis of unique 3D network nanostructured polypyrrole presenting significantly diverse capacitance performances in different electrolytes. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 17552-17562.	2.2	5
70	Facile preparation of high-strength $\alpha$ -CaSO <sub>4</sub> ·0.5H <sub>2</sub> O regulated by maleic acid from phosphogypsum: experimental and molecular dynamics simulation studies. <i>SN Applied Sciences</i> , 2020, 2, 1.	2.9	5
71	Highly Efficient Removal of Congo Red from Aqueous Solution by Lime-Preconditioned Phosphogypsum. <i>ChemistrySelect</i> , 2022, 7, .	1.5	5
72	Remarkably enhanced activity of 4A zeolite modified Pt/reduced graphene oxide electrocatalyst towards methanol electrooxidation in alkaline medium. <i>Ionics</i> , 2019, 25, 5131-5140.	2.4	4

#	ARTICLE	IF	CITATIONS
73	Interface interaction between high-siliceous/calcareous mineral granules and model cell membranes dominated by electrostatic force. <i>Environmental Science and Pollution Research</i> , 2021, 28, 27432-27445.	5.3	4
74	Objective Observations of the Electrochemical Production of H <sub>2</sub> O <sub>2</sub> in KHCO <sub>3</sub> Aqueous Electrolyte and Related Application Inspirations. <i>Journal of Physical Chemistry C</i> , 2021, 125, 19831-19838.	3.1	4
75	Novel 3D cross-shaped Zn/Co bimetallic zeolite imidazolate frameworks for simultaneous removal Cr(VI) and Congo Red. <i>Environmental Science and Pollution Research</i> , 2022, 29, 40041-40052.	5.3	4
76	The interface interaction behavior between E. coli and two kinds of fibrous minerals. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22420-22428.	5.3	3
77	Meta-analysis of experimental warming on soil invertase and urease activities. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2018, 68, 104-109.	0.6	3
78	Accurate Understanding the Catalytic Role of MnO <sub>2</sub> in the Oxidative-Coupling of 2-naphthols into 1,1'-bi-2-naphthols. <i>Catalysis Letters</i> , 2021, 151, 901-908.	2.6	3
79	Mussel Inspired Modification of Rubber Crumbs for Improved Interfacial Adhesion in Rubber Cement Mortar. <i>Applied Composite Materials</i> , 2021, 28, 1767-1780.	2.5	3
80	Characterization of the dissolution of tooeelite under <i>Acidithiobacillus ferrooxidans</i> relevant to mineral trap for arsenic removal. <i>Desalination and Water Treatment</i> , 2016, 57, 15108-15114.	1.0	2
81	Synergistic Oxidative Stress of Surface Silanol and Hydroxyl Radical of Crystal and Amorphous Silica in A549 Cells. <i>Journal of Nanoscience and Nanotechnology</i> , 2017, 17, 6645-6654.	0.9	2
82	Preparation of Pyrrhotite from Ammonium Jarosite and Estimation of Activation Energy in Reducing Atmosphere. <i>International Journal of Chemical Reactor Engineering</i> , 2019, 17, .	1.1	2
83	Influence of Carbon and Pyrite on Desulfurization Behavior of Red Gypsum at High Temperature. <i>Journal of Sustainable Metallurgy</i> , 2022, 8, 409-418.	2.3	2
84	Powder Quartz/Nano-TiO <sub>2</sub> Composite: Mechanochemical Preparation and Photocatalytic Degradation of Formaldehyde. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2018, 33, 1381-1386.	1.0	1
85	Gadolinium chloride promotes proliferation of HEK293 human embryonic kidney cells by activating EGFR/PI3K/Akt and MAPK pathways. <i>BioMetals</i> , 2019, 32, 683-693.	4.1	1
86	CONSTRUCTION AND CHARACTERIZATION OF A NANOSTRUCTURED BIOCATALYST CONSISTING OF IMMOBILIZED LIPASE ON Mg-AMINO-CLAY. <i>Clays and Clay Minerals</i> , 2021, 69, 434-442.	1.3	1
87	Interface effect of ultrafine mineral particles and microorganisms. <i>Environmental Science and Pollution Research</i> , 2018, 25, 22323-22327.	5.3	0
88	Transformation of radionuclide occurrence state in uranium and strontium recycling by <i>Saccharomyces cerevisiae</i> . <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 0, , .	1.5	0