

Xiao Zhang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/261556/publications.pdf>

Version: 2024-02-01

85
papers

2,193
citations

331670

21
h-index

243625

44
g-index

97
all docs

97
docs citations

97
times ranked

3239
citing authors

#	ARTICLE	IF	CITATIONS
1	Hollow N-Doped Carbon Polyhedron Containing CoNi Alloy Nanoparticles Embedded within Few-Layer N-Doped Graphene as High-Performance Electromagnetic Wave Absorbing Material. ACS Applied Materials & Interfaces, 2018, 10, 24920-24929.	8.0	224
2	Multifunctional Up-Converting Nanocomposites with Smart Polymer Brushes Gated Mesopores for Cell Imaging and Thermo/pH Dual-Responsive Drug Controlled Release. Advanced Functional Materials, 2013, 23, 4067-4078.	14.9	209
3	Tunable multicolor and bright white emission of one-dimensional NaLuF ₄ :Yb ³⁺ ,Ln ³⁺ (Ln = Er, Tm, Ho,) Tj ETQq1 1 0.784314 rgBT /Overlock 187	6.7	104
4	Rapid microwave reflux process for the synthesis of pure hexagonal NaYF ₄ :Yb ³⁺ ,Ln ³⁺ ,Bi ³⁺ (Ln ³⁺ = Er ³⁺ ,) Tj ETQq0,0,0 rgBT /Overlock 104	6.7	104
5	Regulation of Morphology and Electronic Structure of FeCoNi Layered Double Hydroxides for Highly Active and Stable Water Oxidization Catalysts. Advanced Energy Materials, 2021, 11, .	19.5	94
6	The surface engineering of cobalt carbide spheres through N, B co-doping achieved by room-temperature in situ anchoring effects for active and durable multifunctional electrocatalysts. Journal of Materials Chemistry A, 2019, 7, 14904-14915.	10.3	88
7	Self-template synthesis of hierarchical CoMoS ₃ nanotubes constructed of ultrathin nanosheets for robust water electrolysis. Journal of Materials Chemistry A, 2017, 5, 11309-11315.	10.3	86
8	Facile and mass production synthesis of ¹² -NaYF ₄ :Yb ³⁺ , Er ³⁺ /Tm ³⁺ 1D microstructures with multicolor up-conversion luminescence. Chemical Communications, 2011, 47, 12143.	4.1	67
9	Internal limiting membrane transplantation for unclosed and large macular holes. Graefe's Archive for Clinical and Experimental Ophthalmology, 2016, 254, 2095-2099.	1.9	65
10	Rapid, morphologically controllable, large-scale synthesis of uniform Y(OH) ₃ and tunable luminescent properties of Y ₂ O ₃ :Yb ³⁺ /Ln ³⁺ (Ln = Er, Tm and Ho). Journal of Materials Chemistry, 2012, 22, 16136.	6.7	63
11	La(OH) ₃ :Ln ³⁺ and La ₂ O ₃ :Ln ³⁺ (Ln = Yb/Er,) Tj ETQq1 1 0.784314 rgBT /Overlock 59 Design, 2012, 12, 306-312.	3.0	59
12	Self-supported tripod-like nickel phosphide nanowire arrays for hydrogen evolution. Journal of Materials Chemistry A, 2019, 7, 22412-22419.	10.3	59
13	Antithrombotic activities of fucosylated chondroitin sulfates and their depolymerized fragments from two sea cucumbers. Carbohydrate Polymers, 2016, 152, 343-350.	10.2	55
14	Cryptanalysis and Improvement of a Biometric-Based Multi-Server Authentication and Key Agreement Scheme. PLoS ONE, 2016, 11, e0149173.	2.5	54
15	Controllable synthesis, morphology evolution and luminescence properties of NaLa(WO ₄) ₂ microcrystals. CrystEngComm, 2012, 14, 2235.	2.6	52
16	A colour image encryption algorithm using 4-pixel Feistel structure and multiple chaotic systems. Nonlinear Dynamics, 2015, 81, 151-168.	5.2	46
17	The high yield synthesis and characterization of gold nanoparticles with superior stability and their catalytic activity. CrystEngComm, 2012, 14, 7600.	2.6	43
18	Efficient production of androstenedione by repeated batch fermentation in waste cooking oil media through regulating NAD ⁺ /NADH ratio and strengthening cell vitality of Mycobacterium neoaurum. Bioresource Technology, 2019, 279, 209-217.	9.6	32

#	ARTICLE	IF	CITATIONS
19	Optical coherence tomography angiography analysis of the choriocapillary layer in treatment-naïve diabetic eyes. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2019, 257, 1393-1399.	1.9	28
20	Tocilizumab for refractory rapidly progressive interstitial lung disease related to anti-MDA5-positive dermatomyositis. <i>Rheumatology</i> , 2021, 60, e227-e228.	1.9	28
21	Morphology-controllable synthesis and enhanced luminescence properties of β -NaLuF ₄ :Ln (Ln = Eu, Tb) Tj ETQq1 1,0,784314,rgBT / O 3.6 24	3.6	24
22	Enhanced photocatalytic destruction of pollutants by surface W vacancies in VW-Bi ₂ WO ₆ under visible light. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 385-393.	9.4	23
23	Economical production of androstenedione and 9 β -hydroxyandrostenedione using untreated cane molasses by recombinant mycobacteria. <i>Bioresource Technology</i> , 2019, 290, 121750.	9.6	21
24	Observation of optic disc neovascularization using OCT angiography in proliferative diabetic retinopathy after intravitreal conbercept injections. <i>Scientific Reports</i> , 2018, 8, 3972.	3.3	20
25	Ultrasonic-induced synthesis of high surface area colloids CeO ₂ @ZrO ₂ . <i>Journal of Nanoparticle Research</i> , 2009, 11, 737-741.	1.9	19
26	Low anticoagulant heparin oligosaccharides as inhibitors of BACE-1, the Alzheimer's β -secretase. <i>Carbohydrate Polymers</i> , 2016, 151, 51-59.	10.2	19
27	Low-dimensional Black Phosphorus in Sensor Applications: Advances and Challenges. <i>Advanced Functional Materials</i> , 2021, 31, 2106484.	14.9	19
28	Cysteine-rich 61 (CYR61) is up-regulated in proliferative diabetic retinopathy. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2012, 250, 661-668.	1.9	17
29	Review on nanoparticle-surfactant nanofluids: formula fabrication and applications in enhanced oil recovery. <i>Journal of Dispersion Science and Technology</i> , 2022, 43, 745-759.	2.4	17
30	Efficient repeated batch production of androstenedione using untreated cane molasses by <i>Mycobacterium neoaurum</i> driven by ATP futile cycle. <i>Bioresource Technology</i> , 2020, 309, 123307.	9.6	17
31	Hierarchical bundles structure of β -NaLuF ₄ : facile synthesis, shape evolution, and luminescent properties. <i>RSC Advances</i> , 2012, 2, 10337.	3.6	16
32	Deep learning-based detection and stage grading for optimising diagnosis of diabetic retinopathy. <i>Diabetes/Metabolism Research and Reviews</i> , 2021, 37, e3445.	4.0	16
33	Comparison of aqueous humor levels of PlGF and VEGF in proliferative diabetic retinopathy before and after intravitreal conbercept injection. <i>Diabetes Research and Clinical Practice</i> , 2020, 162, 108083.	2.8	15
34	HIV-1-Specific CAR-T Cells With Cell-Intrinsic PD-1 Checkpoint Blockade Enhance Anti-HIV Efficacy in vivo. <i>Frontiers in Microbiology</i> , 2021, 12, 684016.	3.5	15
35	Pesticide Informatics Platform (PIP): An International Platform for Pesticide Discovery, Residue, and Risk Evaluation. <i>Journal of Agricultural and Food Chemistry</i> , 2022, 70, 6617-6623.	5.2	15
36	Learn to Segment Retinal Lesions and Beyond. , 2021, , .		14

#	ARTICLE	IF	CITATIONS
37	Bladder epithelial cell phosphate transporter inhibition protects mice against uropathogenic <i>Escherichia coli</i> infection. <i>Cell Reports</i> , 2022, 39, 110698.	6.4	14
38	An efficient image encryption algorithm based on a novel chaotic map. <i>Multimedia Tools and Applications</i> , 2017, 76, 24251-24280.	3.9	13
39	OCULAR MANIFESTATIONS AND TREATMENT OUTCOMES IN CHINESE PATIENTS WITH POEMS SYNDROME. <i>Retina</i> , 2017, 37, 1784-1791.	1.7	12
40	Enhanced H_2O_2 generation and pollutants removal by framework Cu doped $\text{LaAlO}_3/\text{Al}_2\text{O}_3$. <i>Journal of Hazardous Materials</i> , 2022, 431, 128578.	12.4	12
41	Bromadiolone poisoning leading to subarachnoid haemorrhage: A case report and review of the literature. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2019, 44, 958-962.	1.5	11
42	Optimized statistical analysis of software trustworthiness attributes. <i>Science China Information Sciences</i> , 2012, 55, 2508-2520.	4.3	10
43	Modelling the broadest spectral band of the Crab nebula and constraining the ion acceleration efficiency. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 3477-3483.	4.4	10
44	Long non-coding antisense RNA HYOU1-AS is essential to human breast cancer development through competitive binding hnRNPA1 to promote HYOU1 expression. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2021, 1868, 118951.	4.1	10
45	Fe_2P encapsulated in carbon nanowalls decorated with well-dispersed Fe_3C nanodots for efficient hydrogen evolution and oxygen reduction reactions. <i>Nanoscale</i> , 2021, 13, 17920-17928.	5.6	10
46	Surgical management of epiretinal membrane in combined hamartomas of the retina and retinal pigment epithelium. <i>Retina</i> , 2010, 30, 305-9.	1.7	10
47	Tuning the Charge Transport Property of Naphthalene Diimide Derivatives by Changing the Substituted Position of Fluorine Atom on Molecular Backbone. <i>Chinese Journal of Chemistry</i> , 2014, 32, 1057-1064.	4.9	9
48	Efficacy of conbercept combined with panretinal photocoagulation in the treatment of proliferative diabetic retinopathy. <i>Scientific Reports</i> , 2020, 10, 8778.	3.3	9
49	Controlled synthesis and luminescent properties of uniform SrMoO_4 hollow microstructures and application as drug carrier. <i>RSC Advances</i> , 2013, 3, 5945.	3.6	8
50	Association of Bone Metabolic Markers With Diabetic Retinopathy and Diabetic Macular Edema in Elderly Chinese Individuals With Type 2 Diabetes Mellitus. <i>American Journal of the Medical Sciences</i> , 2017, 354, 355-361.	1.1	8
51	Complete chloroplast genome of a Chinese endemic species <i>Corydalis trisecta</i> Franch. (Papaveraceae). <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 2291-2292.	0.4	8
52	Identity-based proxy signature over NTRU lattice. <i>International Journal of Communication Systems</i> , 2019, 32, e3867.	2.5	8
53	Diagnosis and treatment of low T3 syndrome in neurocritical patients. <i>Journal of Clinical Pharmacy and Therapeutics</i> , 2020, 45, 759-766.	1.5	8
54	Changes in cerebrospinal fluid interleukin-10 levels display better performance in predicting disease relapse than conventional magnetic resonance imaging in primary central nervous system lymphoma. <i>BMC Cancer</i> , 2021, 21, 183.	2.6	8

#	ARTICLE	IF	CITATIONS
55	Drug Delivery: Multifunctional Up-Converting Nanocomposites with Smart Polymer Brushes Gated Mesopores for Cell Imaging and Thermo/pH Dual-Responsive Drug Controlled Release (Adv. Funct. Mater., 2017, 7, 1407-1414)	10.7843	14
56	Genetic Differentiation and Population Genetic Structure of the Chinese Endemic Dipteronia Oliv. Revealed by cpDNA and AFLP Data. Forests, 2017, 8, 424.	2.1	7
57	Lenalidomide and Rituximab Regimen Combined With Intravitreal Methotrexate Followed by Lenalidomide Maintenance for Primary Vitreoretinal Lymphoma: A Prospective Phase II Study. Frontiers in Oncology, 2021, 11, 701507.	2.8	7
58	A Fast Color Image Encryption Algorithm Using 4-Pixel Feistel Structure. PLoS ONE, 2016, 11, e0165937.	2.5	7
59	Characterization of the complete chloroplast genome sequence of Lepidium meyenii (Brassicaceae). Conservation Genetics Resources, 2017, 9, 405-408.	0.8	6
60	Multi-authority attribute-based encryption scheme with constant-size ciphertexts and user revocation. Concurrency Computation Practice and Experience, 2019, 31, e4678.	2.2	6
61	Dose-response association between serum uric acid levels and incident hypertension: a systematic review and meta-analysis of 17 prospective cohort studies of 32 thousand participants. Acta Cardiologica, 2020, 76, 1-6.	0.9	6
62	Hyperuricemia is Related to the Risk of Cardiovascular Diseases in Ethnic Chinese Elderly Women. Global Heart, 2022, 17, 12.	2.3	6
63	A Review of Intraocular Biomolecules in Retinal Vein Occlusion: Toward Potential Biomarkers for Companion Diagnostics. Frontiers in Pharmacology, 2022, 13, 859951.	3.5	6
64	Environmental Filtering Drives Local Soil Fungal beta Diversity More than Dispersal Limitation in Six Forest Types along a Latitudinal Gradient in Eastern China. Forests, 2019, 10, 863.	2.1	5
65	Effect of Shell Growth on the Morphology of Polyvinyl Acetate/Polystyrene Inverted Core-Shell Latex Fabricated by Acrylonitrile Grafting. Materials, 2018, 11, 2482.	2.9	4
66	Construction of Boolean functions with excellent cryptographic criteria using bivariate polynomial representation. International Journal of Computer Mathematics, 2016, 93, 425-444.	1.8	3
67	Characterization of the complete chloroplast genome sequence of Tapiscia sinensis (Tapisciaceae). Conservation Genetics Resources, 2018, 10, 765-768.	0.8	3
68	The complete chloroplast genome of a critically endangered tree species in China, Cyclobalanopsis obovatifolia (Fagaceae). Conservation Genetics Resources, 2019, 11, 31-33.	0.8	3
69	Combined Strategy for Post-Operative Patients with Central Nervous System Infections Caused by Extensively Drug-Resistant/Pan-Drug-Resistant <i>Acinetobacter baumannii</i> : A Retrospective Study. Surgical Infections, 2020, 21, 853-858.	1.4	3
70	Hypothalamus-Pituitary Dysfunction as an Independent Risk Factor for Postoperative Central Nervous System Infections in Patients With Sellar Region Tumors. Frontiers in Endocrinology, 2021, 12, 661305.	3.5	3
71	Atypical presentations of choroidal melanocytoma. Chinese Medical Journal, 2009, 122, 1238-40.	2.3	3
72	Efficient and exact duplicate detection on cloud. Concurrency Computation Practice and Experience, 2013, 25, 2187-2206.	2.2	2

#	ARTICLE	IF	CITATIONS
73	An improved biometrics based authentication scheme using extended chaotic maps for multimedia medicine information systems. <i>Multimedia Tools and Applications</i> , 2017, 76, 24315-24341.	3.9	2
74	Ocular manifestations as first signs of systemic T cell lymphoma in two cases. <i>BMC Ophthalmology</i> , 2017, 17, 99.	1.4	2
75	Reliability of optic disc edema area in estimating the severity of papilledema in patients with POEMS syndrome. <i>Orphanet Journal of Rare Diseases</i> , 2020, 15, 116.	2.7	2
76	Corticosteroid eyedrops induced blepharoptosis and atrophy of levator muscle. <i>Graefe's Archive for Clinical and Experimental Ophthalmology</i> , 2020, 258, 1081-1086.	1.9	2
77	Urinary Alpha1-Microglobulin: A New Predictor for In-Hospital Mortality in Patients with ST-Segment Elevation Myocardial Infarction. <i>Medical Science Monitor</i> , 2021, 27, e927958.	1.1	2
78	Case Report: Intraocular Hemorrhage in a Primary Vitreoretinal Lymphoma Patient Treated With Zanubrutinib. <i>Frontiers in Medicine</i> , 2022, 9, 833565.	2.6	2
79	Interindividual Heterogeneity of Hypoxic Response of Vascular Endothelial Growth Factor and Intercellular Adhesive Molecule-1 in Monocytes from Diabetic Patients. <i>Chinese Medical Journal</i> , 2016, 129, 2882-2884.	2.3	1
80	Three acquired immunodeficiency syndrome patients with central nervous system infection. <i>Chinese Medical Journal</i> , 2019, 132, 2754-2756.	2.3	1
81	A multiethnic association analysis of hyperuricaemia with cardiovascular risk in rural and urban areas in Chinese adults. <i>Scientific Reports</i> , 2021, 11, 23362.	3.3	1
82	Clinical Features and Surgical Treatment of Subretinal Proliferation in Proliferative Diabetic Retinopathy. <i>Frontiers in Medicine</i> , 2022, 9, 833519.	2.6	1
83	Characterization of the complete mitochondrial genome sequence of <i>Artamus cinereus</i> (Passeriformes: Artamidae). <i>Conservation Genetics Resources</i> , 2018, 10, 821-824.	0.8	0
84	Serum uric acid and risk of prehypertension: a dose-response meta-analysis of 17 observational studies of approximately 79 thousand participants. <i>Acta Cardiologica</i> , 2021, , 1-10.	0.9	0
85	Protective Effects of Marine Alkaloid Neolamellarin A Derivatives against Glutamate Induced PC12 Cell Apoptosis. <i>Marine Drugs</i> , 2022, 20, 262.	4.6	0