

Xiaofeng Zhang

List of Publications by Year in descending order

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80
papers

2,647
citations

257450

24
h-index

214800

47
g-index

83
all docs

83
docs citations

83
times ranked

3068
citing authors

#	ARTICLE	IF	CITATIONS
1	Genome sequence and genetic diversity of the common carp, <i>Cyprinus carpio</i> . <i>Nature Genetics</i> , 2014, 46, 1212-1219.	21.4	576
2	An Atomic Structure of the Human Spliceosome. <i>Cell</i> , 2017, 169, 918-929.e14.	28.9	215
3	Structure of the human activated spliceosome in three conformational states. <i>Cell Research</i> , 2018, 28, 307-322.	12.0	163
4	Structure of a human catalytic step I spliceosome. <i>Science</i> , 2018, 359, 537-545.	12.6	118
5	HCK is a survival determinant transactivated by mutated MYD88, and a direct target of ibrutinib. <i>Blood</i> , 2016, 127, 3237-3252.	1.4	93
6	The cryo-EM structure of the SF3b spliceosome complex bound to a splicing modulator reveals a pre-mRNA substrate competitive mechanism of action. <i>Genes and Development</i> , 2018, 32, 309-320.	5.9	89
7	Structures of the human pre-catalytic spliceosome and its precursor spliceosome. <i>Cell Research</i> , 2018, 28, 1129-1140.	12.0	85
8	Structures of the human spliceosomes before and after release of the ligated exon. <i>Cell Research</i> , 2019, 29, 274-285.	12.0	74
9	A Consensus Linkage Map Provides Insights on Genome Character and Evolution in Common Carp (<i>Cyprinus carpio</i> L.). <i>Marine Biotechnology</i> , 2013, 15, 275-312.	2.4	67
10	A pot-economical and diastereoselective synthesis involving catalyst-free click reaction for fused-triazolobenzodiazepines. <i>Green Chemistry</i> , 2016, 18, 2642-2646.	9.0	52
11	A robot finger joint driven by hybrid multi-DOF piezoelectric ultrasonic motor. <i>Sensors and Actuators A: Physical</i> , 2011, 169, 206-210.	4.1	49
12	Gonadal transcriptomic analysis of yellow catfish (<i>Pelteobagrus fulvidraco</i>): identification of sex-related genes and genetic markers. <i>Physiological Genomics</i> , 2014, 46, 798-807.	2.3	46
13	Acoustic Radiation Force of a Gaussian Beam Incident on Spherical Particles in Water. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 2007-2017.	1.5	39
14	Organocatalytic One-Pot Asymmetric Synthesis of Thiolated Spiro- β -lactam Oxindoles Bearing Three Stereocenters. <i>Journal of Organic Chemistry</i> , 2016, 81, 5362-5369.	3.2	39
15	Improved clustering algorithms for image segmentation based on non-local information and back projection. <i>Information Sciences</i> , 2021, 550, 129-144.	6.9	39
16	Recyclable Organocatalyst-Promoted One-Pot Asymmetric Synthesis of Spirooxindoles Bearing Multiple Stereogenic Centers. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 3820-3824.	4.3	38
17	One-pot and catalyst-free synthesis of pyrroloquinolinediones and quinolinedicarboxylates. <i>Green Chemistry</i> , 2017, 19, 3851-3855.	9.0	37
18	Cascade Knoevenagel and aza-Wittig reactions for the synthesis of substituted quinolines and quinolin-4-ols. <i>Green Chemistry</i> , 2019, 21, 349-354.	9.0	37

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19	One-Pot Synthesis of Polycyclic Spirooxindoles via Montmorillonite K10-Catalyzed C-H Functionalization of Cyclic Amines. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 5574-5579.	6.7	36
20	Al ₂ O ₃ -modified PS-PVD 7YSZ thermal barrier coatings for advanced gas-turbine engines. <i>Npj Materials Degradation</i> , 2020, 4, .	5.8	31
21	Sequential (3 + 2) cycloaddition and (5 + <i>n</i>) annulation for modular synthesis of dihydrobenzoxazines, tetrahydrobenzoxazepines and tetrahydrobenzoxazines. <i>Green Chemistry</i> , 2018, 20, 3134-3139.	9.0	30
22	TFPI is a colonic crypt receptor for TcdB from hypervirulent clade 2 C.Âdifficile. <i>Cell</i> , 2022, 185, 980-994.e15.	28.9	30
23	Multilevel Image Thresholding Using Tsallis Entropy and Cooperative Pigeon-inspired Optimization Bionic Algorithm. <i>Journal of Bionic Engineering</i> , 2019, 16, 954-964.	5.0	28
24	Finite series expansion of a Gaussian beam for the acoustic radiation force calculation of cylindrical particles in water. <i>Journal of the Acoustical Society of America</i> , 2015, 137, 1826-1833.	1.1	27
25	Quantitative trait loci (QTL) associated with growth rate trait in common carp (<i>Cyprinus carpio</i>). <i>Aquaculture International</i> , 2013, 21, 1373-1379.	2.2	25
26	Acoustic radiation force on a fluid cylindrical particle immersed in water near an impedance boundary. <i>Journal of the Acoustical Society of America</i> , 2017, 141, 4633-4641.	1.1	25
27	One-Pot Double [3 + 2] Cycloadditions for Diastereoselective Synthesis of Pyrrolidine-Based Polycyclic Systems. <i>Journal of Organic Chemistry</i> , 2018, 83, 13536-13542.	3.2	24
28	One-pot synthesis of tetrahydro-pyrrolobenzodiazepines and tetrahydro-pyrrolobenzodiazepinones through sequential 1,3-dipolar cycloaddition/ <i>N</i> -alkylation (<i>N</i> -acylation)/Staudinger/aza-Wittig reactions. <i>Green Chemistry</i> , 2019, 21, 4489-4494.	9.0	24
29	Double 1,3-Dipolar Cycloadditions of Two Nonstabilized Azomethine Ylides for Polycyclic Pyrrolidines. <i>Organic Letters</i> , 2019, 21, 2176-2179.	4.6	21
30	Phononic-Crystal-Enabled Dynamic Manipulation of Microparticles and Cells in an Acoustofluidic Channel. <i>Physical Review Applied</i> , 2020, 13, .	3.8	21
31	Optimization and Parameters Estimation in Ultrasonic Echo Problems Using Modified Artificial Bee Colony Algorithm. <i>Journal of Bionic Engineering</i> , 2015, 12, 160-169.	5.0	20
32	Sequential decarboxylative [3+2] cycloaddition and Staudinger/aza-Wittig reactions for diastereoselective synthesis of tetrahydro-pyrroloquinazolines and tetrahydro-pyrrolobenzodiazepines. <i>Tetrahedron Letters</i> , 2020, 61, 151392.	1.4	19
33	Synthesis of tetrahydropyrrolothiazoles through one-pot and four-component <i>N,S</i> -acetalation and decarboxylative [3+2] cycloaddition. <i>Green Synthesis and Catalysis</i> , 2021, 2, 74-77.	6.8	19
34	Lysine Demethylase 5A Is Required for MYC-Driven Transcription in Multiple Myeloma. <i>Blood Cancer Discovery</i> , 2021, 2, 370-387.	5.0	19
35	Diffusion interface layer controlling the acceptor phase of bilayer near-infrared polymer phototransistors with ultrahigh photosensitivity. <i>Nature Communications</i> , 2022, 13, 1332.	12.8	19
36	PASE synthesis of pyrrolidine-containing heterocycles through [3+2] cycloaddition-initiated reactions. <i>Current Opinion in Green and Sustainable Chemistry</i> , 2018, 11, 65-69.	5.9	18

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37	Study on tangentially polarized composite cylindrical piezoelectric transducer with high electro-mechanical coupling coefficient. <i>Ultrasonics</i> , 2017, 74, 204-210.	3.9	17
38	Phase permutation entropy: A complexity measure for nonlinear time series incorporating phase information. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2021, 568, 125686.	2.6	17
39	Recyclable organocatalyst-promoted one-pot Michael/aza-Henry/lactamization reactions for fluorinated 2-piperidinones bearing four stereogenic centres. <i>RSC Advances</i> , 2015, 5, 71071-71075.	3.6	16
40	Inhibition of Polo-like kinase 1 (PLK1) facilitates the elimination of HIV-1 viral reservoirs in CD4 ⁺ T cells ex vivo. <i>Science Advances</i> , 2020, 6, eaba1941.	10.3	16
41	Dynamical complexity changes during two forms of meditation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2011, 390, 2381-2387.	2.6	15
42	One-pot synthesis of dihydroquinazolinethione-based polycyclic system. <i>Tetrahedron Letters</i> , 2018, 59, 3845-3847.	1.4	14
43	Computation of the Acoustic Radiation Force on a Rigid Cylinder in Off-Axial Gaussian Beam Using the Translational Addition Theorem. <i>Acta Acustica United With Acustica</i> , 2016, 102, 334-340.	0.8	13
44	[3+2] Cycloaddition-based one-pot synthesis of 3,9-diazabicyclo[4.2.1]nonane-containing scaffold. <i>Chemistry of Heterocyclic Compounds</i> , 2017, 53, 468-473.	1.2	13
45	A method to depress the transmitting voltage response fluctuation of a double excitation piezoelectric transducer. <i>Applied Acoustics</i> , 2020, 158, 107066.	3.3	13
46	Atomically dispersed Co atoms in nitrogen-doped carbon aerogel for efficient and durable oxygen reduction reaction. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 36836-36847.	7.1	13
47	Studies on quantitative trait loci related to superoxide dismutase in mirror carp (<i>Cyprinus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.8	12
48	Axial acoustic radiation force on a rigid cylinder near an impedance boundary for on-axis Gaussian beam. <i>Wave Motion</i> , 2017, 74, 182-190.	2.0	12
49	Synthesis of trifluoromethylated pyrrolidines via decarboxylative [3+2] cycloaddition of non-stabilized N-unsubstituted azomethine ylides. <i>Journal of Fluorine Chemistry</i> , 2017, 204, 18-22.	1.7	11
50	Acoustic radiation force of a solid elastic sphere immersed in a cylindrical cavity filled with ideal fluid. <i>Wave Motion</i> , 2018, 80, 37-46.	2.0	11
51	Acoustic radiation force on a rigid cylinder in an off-axis Gaussian beam near an impedance boundary. <i>Wave Motion</i> , 2018, 83, 111-120.	2.0	11
52	Recyclable Organocatalyst for One-Pot Asymmetric Synthesis of Dihydrofuranone and Tetrahydropyranone Spirooxindoles. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 150-155.	2.4	11
53	Patch-based fuzzy clustering for image segmentation. <i>Soft Computing</i> , 2019, 23, 3081-3093.	3.6	11
54	Structure of the yeast Swi/Snf complex in a nucleosome free state. <i>Nature Communications</i> , 2020, 11, 3398.	12.8	11

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55	Genetic mapping and QTL analysis for body weight in Jian carp (<i>Cyprinus carpio</i> var. Jian) compared with mirror carp (<i>Cyprinus carpio</i> L.). <i>Chinese Journal of Oceanology and Limnology</i> , 2015, 33, 636-649.	0.7	10
56	Rear Earth Oxide Multilayer Deposited by Plasma Spray-Physical Vapor Deposition for Envisaged Application as Thermal/Environmental Barrier Coating. <i>Coatings</i> , 2021, 11, 889.	2.6	10
57	Synthesis of pyrrolidinedione-fused hexahydropyrrolo[2,1- <i>a</i>]isoquinolines via three-component [3 + 2] cycloaddition followed by one-pot <i>N</i> -allylation and intramolecular Heck reactions. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 1225-1233.	2.2	9
58	Study on acoustic radiation force of an elastic sphere in an off-axial Gaussian beam using localized approximation. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 2602-2612.	1.1	9
59	Microstructural and columnar growth characteristics of 7YSZ thermal barrier coatings fabricated by plasma spray physical vapor deposition. <i>Journal of the European Ceramic Society</i> , 2021, 41, 315-323.	5.7	8
60	Cadmium regulates FKBP5 through miR-9-5p and induces carp lymphocyte apoptosis. <i>Fish and Shellfish Immunology</i> , 2022, 120, 353-359.	3.6	8
61	Thermal shock resistance of thermal barrier coatings modified by selective laser remelting and alloying techniques. <i>Journal of the American Ceramic Society</i> , 2022, 105, 6345-6358.	3.8	8
62	Three-component [3 + 2] cycloaddition for regio- and diastereoselective synthesis of spirooxindole-pyrrolidines. <i>New Journal of Chemistry</i> , 0, , .	2.8	7
63	A novel underwater image restoration method based on decomposition network and physical imaging model. <i>International Journal of Intelligent Systems</i> , 2022, 37, 5672-5690.	5.7	7
64	One-pot diastereoselective synthesis of tetrahydroepimino-benzo[b]azocines through sequential [3+2]-cycloaddition and Staudinger-aza-Wittig reactions. <i>Tetrahedron Letters</i> , 2019, 60, 151127.	1.4	6
65	PU.1 affects proliferation of the human acute myeloid leukemia U937 cell line by directly regulating MEIS1. <i>Oncology Letters</i> , 2015, 10, 1912-1918.	1.8	5
66	Axial acoustic radiation force on a spherical particle in a zero-order Mathieu beam. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 3233-3241.	1.1	5
67	A low-frequency longitudinal vibration transducer with a helical slot structure. <i>Journal of the Acoustical Society of America</i> , 2019, 145, 2948-2954.	1.1	4
68	Analysis of acoustic radiation force on a rigid sphere in a fluid-filled cylindrical cavity with an abruptly changed cross-section. <i>Journal of the Acoustical Society of America</i> , 2020, 147, 516-524.	1.1	4
69	A modified fuzzy clustering algorithm based on dynamic relatedness model for image segmentation. <i>Visual Computer</i> , 0, , 1.	3.5	4
70	Coded Permutation Entropy: A Measure for Dynamical Changes Based on the Secondary Partitioning of Amplitude Information. <i>Entropy</i> , 2020, 22, 187.	2.2	2
71	Elite allele mining for growth rate traits in common carp (<i>Cyprinus carpio</i>) by association analysis. <i>Aquaculture Research</i> , 2021, 52, 1192-1200.	1.8	2
72	The acoustic radiation force on a multi-layered polymer capsule placed in a fluid-filled tube. <i>Ultrasonics</i> , 2021, 113, 106365.	3.9	2

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73	One-pot, two-step synthesis of 3,4-dihydroquinazoline-2(1H)-thiones from o-azidobenzenealdehydes, aryl amines and carbon disulfide. <i>Tetrahedron Letters</i> , 2021, 81, 153361.	1.4	2
74	Generalized phase permutation entropy algorithm based on two-index entropy. <i>Scientia Sinica Informationis</i> , 2019, 49, 1205-1216.	0.4	2
75	A High-Density Genetic Linkage Map and Fine Mapping of QTL For Feed Conversion Efficiency in Common Carp (<i>Cyprinus carpio</i>). <i>Frontiers in Genetics</i> , 2021, 12, 778487.	2.3	2
76	Exploring the underlying mechanism of acoustic radiation force on a sphere in a fluid-filled rigid tube. <i>AIP Advances</i> , 2021, 11, 075228.	1.3	1
77	In Situ High-Temperature Tensile Fracture Mechanism of PS-PVD EBCs. <i>Coatings</i> , 2022, 12, 655.	2.6	1
78	Three-dimensional acoustic radiation force of a sphere arbitrarily positioned in a Gaussian beam. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	0
79	A radial vibration low frequency transducer with periodic axial slotted structure. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	0
80	Acoustic radiation force on a rigid microsphere in a fluid-filled rigid cylindrical cavity with Helmholtz resonator end. <i>Proceedings of Meetings on Acoustics</i> , 2019, , .	0.3	0