

# 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	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
2	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
3	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
4	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
5	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
6	In Situ High-Temperature Tensile Fracture Mechanism of PS-PVD EBCs. <i>Coatings</i> , 2022, 12, 655.	2.6	1
7	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
8	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
9	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
10	Synthesis of tetrahydropyrrolothiazoles through one-pot and four-component N,S-acetalation and decarboxylative [3+2] cycloaddition. <i>Green Synthesis and Catalysis</i> , 2021, 2, 74-77.	6.8	19
11	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
12	Lysine Demethylase 5A Is Required for MYC-Driven Transcription in Multiple Myeloma. <i>Blood Cancer Discovery</i> , 2021, 2, 370-387.	5.0	19
13	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
14	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
15	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
16	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
17	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
18	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

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19	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
20	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
21	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
22	Al <sub>2</sub> O <sub>3</sub> -modified PS-PVD 7YSZ thermal barrier coatings for advanced gas-turbine engines. <i>Npj Materials Degradation</i> , 2020, 4, .	5.8	31
23	Inhibition of Polo-like kinase 1 (PLK1) facilitates the elimination of HIV-1 viral reservoirs in CD4 <sup>+</sup> T cells ex vivo. <i>Science Advances</i> , 2020, 6, eaba1941.	10.3	16
24	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
25	Structure of the yeast Swi/Snf complex in a nucleosome free state. <i>Nature Communications</i> , 2020, 11, 3398.	12.8	11
26	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
27	Phononic-Crystal-Enabled Dynamic Manipulation of Microparticles and Cells in an Acoustofluidic Channel. <i>Physical Review Applied</i> , 2020, 13, .	3.8	21
28	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
29	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
30	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
31	One-pot diastereoselective synthesis of tetrahydroepimino-benzo[ <i>b</i> ]azocines through sequential [3+2]-cycloaddition and Staudinger-aza-Wittig reactions. <i>Tetrahedron Letters</i> , 2019, 60, 151127.	1.4	6
32	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
33	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
34	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
35	Double 1,3-Dipolar Cycloadditions of Two Nonstabilized Azomethine Ylides for Polycyclic Pyrrolidines. <i>Organic Letters</i> , 2019, 21, 2176-2179.	4.6	21
36	Structures of the human spliceosomes before and after release of the ligated exon. <i>Cell Research</i> , 2019, 29, 274-285.	12.0	74

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37	Three-dimensional acoustic radiation force of a sphere arbitrarily positioned in a Gaussian beam. Proceedings of Meetings on Acoustics, 2019, , .	0.3	0
38	A radial vibration low frequency transducer with periodic axial slotted structure. Proceedings of Meetings on Acoustics, 2019, , .	0.3	0
39	Acoustic radiation force on a rigid microsphere in a fluid-filled rigid cylindrical cavity with Helmholtz resonator end. Proceedings of Meetings on Acoustics, 2019, , .	0.3	0
40	Recyclable Organocatalyst for One-Pot Asymmetric Synthesis of Dihydrofuranone and Tetrahydropyranone Spirooxindoles. European Journal of Organic Chemistry, 2019, 2019, 150-155.	2.4	11
41	Patch-based fuzzy clustering for image segmentation. Soft Computing, 2019, 23, 3081-3093.	3.6	11
42	Generalized phase permutation entropy algorithm based on two-index entropy. Scientia Sinica Informationis, 2019, 49, 1205-1216.	0.4	2
43	One-Pot Synthesis of Polycyclic Spirooxindoles via Montmorillonite K10-Catalyzed C-H Functionalization of Cyclic Amines. ACS Sustainable Chemistry and Engineering, 2018, 6, 5574-5579.	6.7	36
44	The cryo-EM structure of the SF3b spliceosome complex bound to a splicing modulator reveals a pre-mRNA substrate competitive mechanism of action. Genes and Development, 2018, 32, 309-320.	5.9	89
45	PASE synthesis of pyrrolidine-containing heterocycles through [3+2] cycloaddition-initiated reactions. Current Opinion in Green and Sustainable Chemistry, 2018, 11, 65-69.	5.9	18
46	Structure of the human activated spliceosome in three conformational states. Cell Research, 2018, 28, 307-322.	12.0	163
47	Structure of a human catalytic step I spliceosome. Science, 2018, 359, 537-545.	12.6	118
48	Acoustic radiation force of a solid elastic sphere immersed in a cylindrical cavity filled with ideal fluid. Wave Motion, 2018, 80, 37-46.	2.0	11
49	One-Pot Double [3 + 2] Cycloadditions for Diastereoselective Synthesis of Pyrrolidine-Based Polycyclic Systems. Journal of Organic Chemistry, 2018, 83, 13536-13542.	3.2	24
50	Structures of the human pre-catalytic spliceosome and its precursor spliceosome. Cell Research, 2018, 28, 1129-1140.	12.0	85
51	Acoustic radiation force on a rigid cylinder in an off-axis Gaussian beam near an impedance boundary. Wave Motion, 2018, 83, 111-120.	2.0	11
52	One-pot synthesis of dihydroquinazolinethione-based polycyclic system. Tetrahedron Letters, 2018, 59, 3845-3847.	1.4	14
53	Sequential (3 + 2) cycloaddition and (5 + <i>n</i> ) annulation for modular synthesis of dihydrobenzoxazines, tetrahydrobenzoxazepines and tetrahydrobenzoxazocines. Green Chemistry, 2018, 20, 3134-3139.	9.0	30
54	An Atomic Structure of the Human Spliceosome. Cell, 2017, 169, 918-929.e14.	28.9	215

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55	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
56	[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
57	Synthesis of trifluoromethylated pyrrolidines via decarboxylative [3+2] cycloaddition of non-stabilized N -substituted azomethine ylides. <i>Journal of Fluorine Chemistry</i> , 2017, 204, 18-22.	1.7	11
58	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
59	One-pot and catalyst-free synthesis of pyrroloquinolinediones and quinolinedicarboxylates. <i>Green Chemistry</i> , 2017, 19, 3851-3855.	9.0	37
60	Study on tangentially polarized composite cylindrical piezoelectric transducer with high electro-mechanical coupling coefficient. <i>Ultrasonics</i> , 2017, 74, 204-210.	3.9	17
61	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
62	Organocatalytic One-Pot Asymmetric Synthesis of Thiolated Spiro- $\beta$ -lactam Oxindoles Bearing Three Stereocenters. <i>Journal of Organic Chemistry</i> , 2016, 81, 5362-5369.	3.2	39
63	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
64	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
65	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
66	PLI.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
67	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
68	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
69	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
70	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
71	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
72	Genome sequence and genetic diversity of the common carp, <i>Cyprinus carpio</i> . <i>Nature Genetics</i> , 2014, 46, 1212-1219.	21.4	576

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73	Studies on quantitative trait loci related to superoxide dismutase in mirror carp ( <i>Cyprinus</i> ) Tj ETQq1 1 0.784314,rgBT /Overlock 10	1.8	12
74	Quantitative trait loci (QTL) associated with growth rate trait in common carp ( <i>Cyprinus carpio</i> ). Aquaculture International, 2013, 21, 1373-1379.	2.2	25
75	A Consensus Linkage Map Provides Insights on Genome Character and Evolution in Common Carp ( <i>Cyprinus carpio</i> L.). Marine Biotechnology, 2013, 15, 275-312.	2.4	67
76	Acoustic Radiation Force of a Gaussian Beam Incident on Spherical Particles in Water. Ultrasound in Medicine and Biology, 2012, 38, 2007-2017.	1.5	39
77	A robot finger joint driven by hybrid multi-DOF piezoelectric ultrasonic motor. Sensors and Actuators A: Physical, 2011, 169, 206-210.	4.1	49
78	Dynamical complexity changes during two forms of meditation. Physica A: Statistical Mechanics and Its Applications, 2011, 390, 2381-2387.	2.6	15
79	Three-component [3 + 2] cycloaddition for regio- and diastereoselective synthesis of spirooxindole-pyrrolidines. New Journal of Chemistry, 0, , .	2.8	7
80	A modified fuzzy clustering algorithm based on dynamic relatedness model for image segmentation. Visual Computer, 0, , 1.	3.5	4