

# Qisheng Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,723  
citations

279798

23  
h-index

289244

40  
g-index

51  
all docs

51  
docs citations

51  
times ranked

3138  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dedifferentiation of Lineage-Committed Cells by a Small Molecule. <i>Journal of the American Chemical Society</i> , 2004, 126, 410-411.	13.7	308
2	Fluorous Mixture Synthesis: A Fluorous-Tagging Strategy for the Synthesis and Separation of Mixtures of Organic Compounds. <i>Science</i> , 2001, 291, 1766-1769.	12.6	303
3	Self-renewal of embryonic stem cells by a small molecule. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 17266-17271.	7.1	296
4	High-Content Screening in hPSC-Neural Progenitors Identifies Drug Candidates that Inhibit Zika Virus Infection in Fetal-like Organoids and Adult Brain. <i>Cell Stem Cell</i> , 2017, 21, 274-283.e5.	11.1	214
5	Slit2-Robo4 signalling promotes vascular stability by blocking Arf6 activity. <i>Nature Cell Biology</i> , 2009, 11, 1325-1331.	10.3	195
6	Chemoenzymatic Design of Heparan Sulfate Oligosaccharides*. <i>Journal of Biological Chemistry</i> , 2010, 285, 34240-34249.	3.4	138
7	Separation of Light Fluorous Reagents and Catalysts by Fluorous Solid-Phase Extraction: Synthesis and Study of a Family of Triarylphosphines Bearing Linear and Branched Fluorous Tags. <i>Journal of Organic Chemistry</i> , 2000, 65, 8866-8873.	3.2	121
8	Small-molecule synergist of the Wnt/ $\beta$ -catenin signaling pathway. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 7444-7448.	7.1	118
9	Quasienantiomers and Quasiracemates: New Tools for Identification, Analysis, Separation, and Synthesis of Enantiomers. <i>Chemistry - A European Journal</i> , 2005, 11, 4866-4880.	3.3	101
10	Fluorous Mixture Synthesis of Stereoisomer Libraries: Total Syntheses of (+)-Murisolin and Fifteen Diastereoisomers. <i>Journal of the American Chemical Society</i> , 2004, 126, 36-37.	13.7	100
11	Reversine increases the plasticity of lineage-committed mammalian cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 10482-10487.	7.1	99
12	A New Regioselective Heck Vinylation with Enamides. Synthesis and Investigation of Fluorous-Tagged Bidentate Ligands for Fast Separation. <i>Journal of Organic Chemistry</i> , 2003, 68, 6639-6645.	3.2	90
13	Quasiracemic Synthesis: Concepts and Implementation with a Fluorous Tagging Strategy to Make Both Enantiomers of Pyridovericin and Mappicine. <i>Journal of the American Chemical Society</i> , 2002, 124, 5774-5781.	13.7	87
14	Total Synthesis of a 28-Member Stereoisomer Library of Murisolins. <i>Journal of the American Chemical Society</i> , 2006, 128, 9561-9573.	13.7	79
15	Structural basis for the activation of PLC- $\beta$ 3 isozymes by phosphorylation and cancer-associated mutations. <i>ELife</i> , 2019, 8, .	6.0	52
16	On the Proof and Disproof of Natural Product Stereostructures: Characterization and Analysis of a Twenty-Eight Member Stereoisomer Library of Murisolins and Their Mosher Ester Derivatives. <i>Journal of the American Chemical Society</i> , 2006, 128, 9943-9956.	13.7	42
17	Fluorous Aryldiazirine Photoaffinity Labeling Reagents. <i>Organic Letters</i> , 2009, 11, 4882-4885.	4.6	34
18	Membrane-induced Allosteric Control of Phospholipase C- $\beta$ 2 Isozymes. <i>Journal of Biological Chemistry</i> , 2014, 289, 29545-29557.	3.4	33

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19	A Fluorogenic, Small Molecule Reporter for Mammalian Phospholipase C Isozymes. <i>ACS Chemical Biology</i> , 2011, 6, 223-228.	3.4	32
20	Small Molecule Inhibitors of Phospholipase C from a Novel High-throughput Screen*. <i>Journal of Biological Chemistry</i> , 2013, 288, 5840-5848.	3.4	29
21	Light, Medium, and Heavy Fluorous Triarylphosphines Exhibit Comparable Reactivities to Triphenylphosphine in Typical Reactions of Triarylphosphines. <i>Journal of Organic Chemistry</i> , 2005, 70, 3716-3719.	3.2	27
22	Microwave Heating Effects Rapid and Selective Decarboalkoxylation of Mono-Alkylated Malonates and $\beta$ -Ketoesters. <i>Advanced Synthesis and Catalysis</i> , 2003, 345, 329-332.	4.3	26
23	Isotope-coded, fluorous photoaffinity labeling reagents. <i>Chemical Communications</i> , 2012, 48, 3339.	4.1	23
24	A novel synthetic route to ethyl 3-substituted-trans-2,3-difluoro-2-acrylates and their reactions with nucleophiles. <i>Tetrahedron Letters</i> , 2000, 41, 8545-8548.	1.4	21
25	Kinetic analysis of PI3K reactions with fluorescent PIP2 derivatives. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 401, 1881-1888.	3.7	21
26	Charge Shielding of PIP2 by Cations Regulates Enzyme Activity of Phospholipase C. <i>PLoS ONE</i> , 2015, 10, e0144432.	2.5	18
27	A membrane-associated, fluorogenic reporter for mammalian phospholipase C isozymes. <i>Journal of Biological Chemistry</i> , 2018, 293, 1728-1735.	3.4	17
28	Structure-activity relationship studies of QS11, a small molecule Wnt synergistic agonist. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 4838-4842.	2.2	15
29	High-Throughput Fluorescence Polarization Assay for the Enzymatic Activity of GTPase-Activating Protein of ADP-Ribosylation Factor (ARFGAP). <i>Journal of Biomolecular Screening</i> , 2011, 16, 717-723.	2.6	11
30	Design, Synthesis, and Incorporation of Fluorous 5-Methylcytosines into Oligonucleotides. <i>Journal of Organic Chemistry</i> , 2011, 76, 10263-10268.	3.2	10
31	A Novel Antiparasitic Compound Kills Ring-Stage Plasmodium falciparum and Retains Activity Against Artemisinin-Resistant Parasites. <i>Journal of Infectious Diseases</i> , 2020, 221, 956-962.	4.0	10
32	Fluorescent Phosphatidylinositol 4,5-Bisphosphate Derivatives with Modified 6-Hydroxy Group as Novel Substrates for Phospholipase C. <i>Biochemistry</i> , 2012, 51, 5300-5306.	2.5	8
33	Implementation and Initial Evaluation of a Research and Scholarship Training Pathway in a Doctor of Pharmacy Curriculum. <i>American Journal of Pharmaceutical Education</i> , 2021, 85, 8079.	2.1	7
34	Incorporation of a fluorous diazirine group into phosphatidylinositol 4,5-bisphosphate to illustrate its interaction with ADP-ribosylation factor 1. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 5197.	2.8	6
35	A Method to Generate and Analyze Modified Myristoylated Proteins. <i>ChemBioChem</i> , 2017, 18, 324-330.	2.6	6
36	Fluorous enzymatic synthesis of phosphatidylinositides. <i>Chemical Communications</i> , 2014, 50, 2928-2931.	4.1	5

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37	A High-Throughput Assay to Identify Allosteric Inhibitors of the PLC- $\beta$ Isozymes Operating at Membranes. <i>Biochemistry</i> , 2020, 59, 4029-4038.	2.5	5
38	“Fix and Click” for Assay of Sphingolipid Signaling in Single Primary Human Intestinal Epithelial Cells. <i>Analytical Chemistry</i> , 2022, 94, 1594-1600.	6.5	5
39	Dynamics of allosteric regulation of the phospholipase C- $\beta$ isozymes upon recruitment to membranes. <i>ELife</i> , 0, 11, .	6.0	4
40	Required hydrophobicity of fluorescent reporters for phosphatidylinositol family of lipid enzymes. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 6781-6789.	3.7	3
41	A facile method to enable a model phospholipid cell-permeable and photoactivatable. <i>Tetrahedron</i> , 2017, 73, 3677-3683.	1.9	2
42	Fluorogenic XY-69 in Lipid Vesicles for Measuring Activity of Phospholipase C Isozymes. <i>Methods in Molecular Biology</i> , 2021, 2251, 225-236.	0.9	2
43	Microwave Heating Effects Rapid and Selective Decarboxylation of Mono-Alkylated Malonates and $\beta$ -Ketoesters.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
44	A New Regioselective Heck Vinylation with Enamides. Synthesis and Investigation of Fluorous-Tagged Bidentate Ligands for Fast Separation.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
45	Fluorous Photoaffinity Labeling to Probe Protein-Small Molecule Interactions. <i>Methods in Molecular Biology</i> , 2015, 1263, 253-261.	0.9	0