

Zhong-Xing Jiang

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8426639/publications.pdf>

Version: 2024-02-01

82
papers

2,321
citations

279701

23
h-index

243529

44
g-index

85
all docs

85
docs citations

85
times ranked

2592
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrofluorocarbon nanoparticles for ¹⁹ F MRI-fluorescence dual imaging and chemo-photodynamic therapy. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1299-1305.	1.5	4
2	Synthesis of SCF ₃ -Substituted Sulfonium Ylides from Sulfonium Salts or α -Bromoacetic Esters. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 738-743.	2.1	3
3	Synthesis of trifluoromethylated aza-BODIPYs as fluorescence- ¹⁹ F MRI dual imaging and photodynamic agents. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 3335-3341.	1.5	5
4	Partially fluorinated nanoemulsions for ¹⁹ F MRI-fluorescence dual imaging cell tracking. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 215, 112493.	2.5	6
5	Synthesis of symmetrical secondary oligoethylene glycolated amines from diethanolamine. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 5129-5138.	1.5	1
6	Thiazole-based and thiazolidine-based protein tyrosine phosphatase 1B inhibitors as potential anti-diabetes agents. <i>Medicinal Chemistry Research</i> , 2021, 30, 519-534.	1.1	16
7	Perfluoro- <i>tert</i> -butanol: a cornerstone for high performance fluorine-19 magnetic resonance imaging. <i>Chemical Communications</i> , 2021, 57, 7743-7757.	2.2	20
8	Synthesis of Difluorinated Heterocyclics through Metal-Free [8+1] and [4+1] Cycloaddition of Difluorocarbene. <i>Organic Letters</i> , 2021, 23, 2670-2675.	2.4	31
9	Halotrifluoromethylation of 1,3-Enynes: Access to Tetrasubstituted Allenes. <i>Organic Letters</i> , 2021, 23, 2314-2319.	2.4	26
10	Design, Synthesis, and Evaluation of VHL-Based EZH2 Degraders to Enhance Therapeutic Activity against Lymphoma. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10167-10184.	2.9	50
11	Elucidation of Distinct Modular Assemblies of Smoothed Receptor by Bitopic Ligand Measurement. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 13830-13840.	2.9	3
12	Quantitatively Fine-Tuning the Physicochemical and Biological Properties of Peptidic Polymers through Monodisperse PEGylation. <i>Biomacromolecules</i> , 2020, 21, 725-731.	2.6	15
13	Peptidic Monodisperse PEG α -Comb as Multifunctional α -Module for Imaging α -Traceable and Thermo-Responsive Theranostics. <i>Advanced Healthcare Materials</i> , 2020, 9, e1901331.	3.9	18
14	F ¹⁹ -Free Deoxyhydrotrifluoromethylation of α -Keto Esters with Ph ₃ P ⁺ CF ₂ CO ₂ ⁻ : Synthesis of α -CF ₃ -Substituted Esters. <i>Journal of Organic Chemistry</i> , 2020, 85, 10913-10923.	1.7	6
15	Drug Development through Modification of Small Molecular Drugs with Monodisperse Poly(ethylene) Tj ETQq1 1 0,784314 rgBT /Ove	1.3	17
16	Chlorotrifluoromethylthiolation of Sulfur Ylides for the Formation of Tetrasubstituted Trifluoromethylthiolated Alkenes. <i>Organic Letters</i> , 2020, 22, 7378-7382.	2.4	12
17	Practical and regioselective halo-trifluoromethylthiolation of sulfur ylides. <i>Chemical Communications</i> , 2020, 56, 8265-8268.	2.2	14
18	Monodisperse and Polydisperse PEGylation of Peptides and Proteins: A Comparative Study. <i>Biomacromolecules</i> , 2020, 21, 3134-3139.	2.6	9

#	ARTICLE	IF	CITATIONS
19	Fluorinated cryptophane-A and porphyrin-based theranostics for multimodal imaging-guided photodynamic therapy. <i>Chemical Communications</i> , 2020, 56, 3617-3620.	2.2	17
20	Synthesis of Branched Monodisperse Oligoethylene Glycols and ¹⁹ F MRI-Traceable Biomaterials through Reductive Dimerization of Azides. <i>Journal of Organic Chemistry</i> , 2020, 85, 6778-6787.	1.7	7
21	Fluorinated porphyrin-based theranostics for dual imaging and chemo-photodynamic therapy. <i>Journal of Materials Chemistry B</i> , 2020, 8, 4469-4474.	2.9	20
22	Disulfide-Containing Detergents (DCDs) for the Structural Biology of Membrane Proteins. <i>Chemistry - A European Journal</i> , 2019, 25, 11635-11640.	1.7	5
23	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. II. Conformational transition vs. supramolecular assembly. <i>RSC Advances</i> , 2019, 9, 1956-1966.	1.7	9
24	Peptidic Monodisperse PEG combs with Fine-Tunable LCST and Multiple Imaging Modalities. <i>Biomacromolecules</i> , 2019, 20, 1281-1287.	2.6	20
25	Monodisperse polyethylene glycol brushes with enhanced lipophilicity, and thermo and plasma stability. <i>Chemical Communications</i> , 2019, 55, 1895-1898.	2.2	16
26	Cancer Theranostics: A Versatile Theranostic Nanoemulsion for Architecture-Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy (<i>Adv. Mater.</i> 21/2019). <i>Advanced Materials</i> , 2019, 31, 1970155.	11.1	5
27	A Versatile Theranostic Nanoemulsion for Architecture-Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. <i>Advanced Materials</i> , 2019, 31, e1806444.	11.1	124
28	Monitoring dendrimer conformational transition using ¹⁹ F and ¹ H ² O NMR. <i>Magnetic Resonance in Chemistry</i> , 2019, 57, 861-872.	1.1	10
29	A Chemical Strategy for Amphiphile Replacement in Membrane Protein Research. <i>Langmuir</i> , 2019, 35, 4319-4327.	1.6	6
30	¹²⁹ Xe Hyper-CEST/ ¹⁹ F MRI Multimodal Imaging System for Sensitive and Selective Tumor Cells Detection. <i>ACS Applied Bio Materials</i> , 2019, 2, 27-32.	2.3	16
31	Monodisperse oligoethylene glycols modified Camptothecin, 10-Hydroxycamptothecin and SN38 prodrugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 581-584.	1.0	16
32	Study of kinetics of ¹⁹ F-MRI using a fluorinated imaging agent (19FIT) on a 3T clinical MRI system. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2019, 32, 97-103.	1.1	4
33	Synthesis and biological evaluation of 20-epi-amino-20-deoxysalinomycin derivatives. <i>European Journal of Medicinal Chemistry</i> , 2018, 148, 279-290.	2.6	24
34	Fe ₂ O ₃ -Promoted Intermolecular Chlorotrifluoromethylthiolation of Alkenes. <i>Journal of Organic Chemistry</i> , 2018, 83, 2808-2817.	1.7	24
35	<i>In vivo</i> drug tracking with ¹⁹ F MRI at therapeutic dose. <i>Chemical Communications</i> , 2018, 54, 3875-3878.	2.2	43
36	One-pot synthesis of monodisperse dual-functionalized polyethylene glycols through macrocyclic sulfates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8537-8545.	1.5	6

#	ARTICLE	IF	CITATIONS
37	Monodisperse oligoethylene glycols modified Propofol prodrugs. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 3502-3505.	1.0	12
38	Electrophilic chloroalkylation of alkenes employing 1-chloro-1,2-benziodoxol-3-one: facile synthesis of β -chloroethers. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 7203-7213.	1.5	5
39	Paramagnetic nanoemulsions with unified signals for sensitive ^{19}F MRI cell tracking. <i>Chemical Communications</i> , 2018, 54, 6000-6003.	2.2	25
40	Fe_2O_3 -catalyzed Pummerer rearrangement of acyl chlorides and sulfoxides: Facile synthesis of alkylthiomethyl ester. <i>Tetrahedron Letters</i> , 2017, 58, 2199-2202.	0.7	15
41	Monitoring Fluorinated Dendrimer-Based Self-Assembled Drug-Delivery Systems with ^{19}F Magnetic Resonance. <i>European Journal of Organic Chemistry</i> , 2017, 2017, 4461-4468.	1.2	14
42	Application of Monodisperse PEGs in Pharmaceuticals: Monodisperse Polidocanols. <i>Molecular Pharmaceutics</i> , 2017, 14, 3473-3479.	2.3	20
43	^{19}F CEST imaging probes for metal ion detection. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6441-6446.	1.5	21
44	A poly(glycerol sebacate) based photo/thermo dual curable biodegradable and biocompatible polymer for biomedical applications. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017, 28, 1728-1739.	1.9	16
45	Design, synthesis and evaluation of novel ^{19}F magnetic resonance sensitive protein tyrosine phosphatase inhibitors. <i>MedChemComm</i> , 2016, 7, 1672-1680.	3.5	14
46	Amide bond-containing monodisperse polyethylene glycols beyond 10 ⁶ Da. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7912-7919.	1.5	23
47	Copper-catalyzed intermolecular chloroazidation of α,β -unsaturated amides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7463-7467.	1.5	29
48	Discovery of a ^{19}F MRI sensitive salinomycin derivative with high cytotoxicity towards cancer cells. <i>Chemical Communications</i> , 2016, 52, 5136-5139.	2.2	39
49	Copper-Catalyzed Intermolecular Chloro- and Bromotrifluoromethylation of Alkenes. <i>Organic Letters</i> , 2016, 18, 348-351.	2.4	68
50	Highly Efficient Synthesis of Monodisperse Poly(ethylene glycols) and Derivatives through Macrocyclization of Oligo(ethylene glycols). <i>Angewandte Chemie - International Edition</i> , 2015, 54, 3763-3767.	7.2	50
51	Design and Synthesis of Fluorinated Amphiphile as ^{19}F MRI/Fluorescence Dual-Imaging Agent by Tuning the Self-Assembly. <i>Journal of Organic Chemistry</i> , 2015, 80, 6360-6366.	1.7	45
52	Macrocyclic Sulfates as Versatile Building Blocks in the Synthesis of Monodisperse Poly(ethylene) Glycols. <i>Journal of Organic Chemistry</i> , 2015, 80, 800-805.	1.3	23
53	Design and Synthesis of Fluorinated Dendrimers for Sensitive ^{19}F MRI. <i>Journal of Organic Chemistry</i> , 2015, 80, 4443-4449.	1.7	53
54	Nickel-Catalyzed Reductive Cross-Coupling of (Hetero)Aryl Iodides with Fluorinated Secondary Alkyl Bromides. <i>Organic Letters</i> , 2015, 17, 5570-5573.	2.4	56

#	ARTICLE	IF	CITATIONS
55	Development of a Scalable Process for Î±-Amino-Î²-methoxyl-dodecaethylene Glycol. <i>Organic Process Research and Development</i> , 2015, 19, 1769-1773.	1.3	16
56	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. <i>RSC Advances</i> , 2014, 4, 54565-54575.	1.7	13
57	Fluorous synthesis of mono-dispersed poly(ethylene glycols). <i>Tetrahedron Letters</i> , 2014, 55, 2110-2113.	0.7	22
58	Recent progress on fluorous synthesis of biologically interesting compounds. <i>Molecular Diversity</i> , 2014, 18, 203-218.	2.1	8
59	Optimize the separation of fluorinated amphiles using high-performance liquid chromatography. <i>Journal of Fluorine Chemistry</i> , 2014, 165, 39-42.	0.9	1
60	Synthesis of gemini surfactants with twelve symmetric fluorine atoms and one singlet ¹⁹ F MR signal as novel ¹⁹ F MRI agents. <i>Tetrahedron</i> , 2013, 69, 9586-9590.	1.0	9
61	Fluorinated paramagnetic chelates as potential multi-chromic ¹⁹ F tracer agents. <i>Chemical Communications</i> , 2011, 47, 7233.	2.2	40
62	Double Click Reaction for the Acquisition of a Highly Potent and Selective mPTPB Inhibitor. <i>ChemMedChem</i> , 2010, 5, 2051-2056.	1.6	17
63	Fluorous Mixture Synthesis of Asymmetric Dendrimers. <i>Journal of Organic Chemistry</i> , 2010, 75, 2044-2049.	1.7	30
64	Pd(OAc) ₂ Catalyzed Olefination of Highly Electron-Deficient Perfluoroarenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 4506-4507.	6.6	200
65	Salicylic Acid Based Small Molecule Inhibitor for the Oncogenic Src Homology-2 Domain Containing Protein Tyrosine Phosphatase-2 (SHP2). <i>Journal of Medicinal Chemistry</i> , 2010, 53, 2482-2493.	2.9	181
66	Symmetry-Guided Design and Fluorous Synthesis of a Stable and Rapidly Excreted Imaging Tracer for ¹⁹ F MRI. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 4755-4758.	7.2	101
67	Targeting PTPs with small molecule inhibitors in cancer treatment. <i>Cancer and Metastasis Reviews</i> , 2008, 27, 263-272.	2.7	119
68	Aryl Vinyl Sulfonates and Sulfones as Active Site-Directed and Mechanism-Based Probes for Protein Tyrosine Phosphatases. <i>Journal of the American Chemical Society</i> , 2008, 130, 8251-8260.	6.6	118
69	The Design and Synthesis of Highly Branched and Spherically Symmetric Fluorinated Macrocyclic Chelators. <i>Synthesis</i> , 2008, 2008, 215-220.	1.2	9
70	The Synthesis of a Geminally Perfluoro-tert-butylated Î²-Amino Acid and its Protected Forms as a Potential Pharmacokinetic Modulator and Reporter for Peptide-Based Pharmaceuticals. <i>Journal of Organic Chemistry</i> , 2007, 72, 1464-1467.	1.7	33
71	Nucleophilic Substitution on Porphyrin Ring: Synthesis of 2-(2-Hydroxynaphthyl)-5,10,15,20-tetraphenylporphyrin. <i>Chinese Journal of Chemistry</i> , 2007, 25, 250-253.	2.6	3
72	The design and synthesis of highly branched and spherically symmetric fluorinated oils and amphiles. <i>Tetrahedron</i> , 2007, 63, 3982-3988.	1.0	32

#	ARTICLE	IF	CITATIONS
73	Total synthesis of trifluoromethylated analogs of macrosphelide A. <i>Tetrahedron</i> , 2007, 63, 12671-12680.	1.0	14
74	An Efficient and General Route to gem-Difluoromethylenated $\hat{1}\pm, \hat{1}^2$ -Unsaturated $\hat{1}'$ -Lactones: A High Enantioselective Synthesis of gem-Difluoromethylenated Goniiothalamins. <i>Journal of Organic Chemistry</i> , 2006, 71, 7261-7267.	1.7	32
75	Synthesis of trifluoromethylated analogues of $\hat{1}^2$ -l-fucofuranose and $\hat{1}^2$ -l-4,6-dideoxyxylohexopyranose. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 580-587.	0.9	22
76	Asymmetric synthesis of both enantiomers of syn-(3-trifluoromethyl)cysteine derivatives. <i>Journal of Fluorine Chemistry</i> , 2005, 126, 497-503.	0.9	7
77	New approach to 3-oxo-4-aza-5 $\hat{1}\pm$ -androst-1-ene-17 $\hat{1}^2$ -(-butylcarboxamide). <i>Steroids</i> , 2005, 70, 690-693.	0.8	13
78	Regioselective and Stereoselective Nucleophilic Ring Opening of Trifluoromethylated Cyclic Sulfates: A Asymmetric Synthesis of Both Enantiomers of syn-(3-Trifluoromethyl)isoserine. <i>Journal of Organic Chemistry</i> , 2004, 69, 5486-5489.	1.7	21
79	Asymmetric Synthesis of Both Enantiomers of anti-4,4,4-Trifluorothreonine and 2-Amino-4,4,4-trifluorobutanoic Acid. <i>Journal of Organic Chemistry</i> , 2003, 68, 7544-7547.	1.7	48
80	Synthesis of trifluoromethylated $\hat{1}^3$ - and $\hat{1}^2$ -lactones through the palladium-catalyzed cyclocarbonylation. <i>Journal of Fluorine Chemistry</i> , 2002, 114, 177-180.	0.9	11
81	Palladium-catalyzed cyclocarbonylation of trifluoromethyl propargylic alcohols producing 3-trifluoromethyl-2(5H)-furanones ($\hat{1}^3$ -lactones). <i>Tetrahedron Letters</i> , 2001, 42, 9051-9053.	0.7	11
82	Palladium-catalyzed cyclocarbonylation of (Z)-3-iodo-3-trifluoromethyl allylic alcohols producing 3-trifluoromethyl-2(5H)-furanones ($\hat{1}^3$ -lactones). <i>Tetrahedron Letters</i> , 2001, 42, 5933-5935.	0.7	14