Zhong-Xing Jiang

List of Publications by Year
in descending order

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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	Pd(OAc)₂ Catalyzed Olefination of Highly Electron-Deficient Perfluoroarenes. Journal of the American Chemical Society, 2010, 132, 4506-4507.	6.6	200
2	Salicylic Acid Based Small Molecule Inhibitor for the Oncogenic Src Homology-2 Domain Containing Protein Tyrosine Phosphatase-2 (SHP2). Journal of Medicinal Chemistry, 2010, 53, 2482-2493.	2.9	181
3	A Versatile Theranostic Nanoemulsion for Architectureâ€Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy. Advanced Materials, 2019, 31, e1806444.	11.1	124
4	Targeting PTPs with small molecule inhibitors in cancer treatment. Cancer and Metastasis Reviews, 2008, 27, 263-272.	2.7	119
5	Aryl Vinyl Sulfonates and Sulfones as Active Site-Directed and Mechanism-Based Probes for Protein Tyrosine Phosphatases. Journal of the American Chemical Society, 2008, 130, 8251-8260.	6.6	118
6	Symmetryâ€Guided Design and Fluorous Synthesis of a Stable and Rapidly Excreted Imaging Tracer for ¹⁹Fâ€…MRI. Angewandte Chemie - International Edition, 2009, 48, 4755-4758.	7.2	101
7	Copper-Catalyzed Intermolecular Chloro- and Bromotrifluoromethylation of Alkenes. Organic Letters, 2016, 18, 348-351.	2.4	68
8	Nickel-Catalyzed Reductive Cross-Coupling of (Hetero)Aryl Iodides with Fluorinated Secondary Alkyl Bromides. Organic Letters, 2015, 17, 5570-5573.	2.4	56
9	Design and Synthesis of Fluorinated Dendrimers for Sensitive ¹⁹F MRI. Journal of Organic Chemistry, 2015, 80, 4443-4449.	1.7	53
10	Highly Efficient Synthesis of Monodisperse Poly(ethylene glycols) and Derivatives through Macrocyclization of Oligo(ethylene glycols). Angewandte Chemie - International Edition, 2015, 54, 3763-3767.	7.2	50
11	Design, Synthesis, and Evaluation of VHL-Based EZH2 Degraders to Enhance Therapeutic Activity against Lymphoma. Journal of Medicinal Chemistry, 2021, 64, 10167-10184.	2.9	50
12	Asymmetric Synthesis of Both Enantiomers ofanti-4,4,4-Trifluorothreonine and 2-Amino-4,4,4-trifluorobutanoic Acid. Journal of Organic Chemistry, 2003, 68, 7544-7547.	1.7	48
13	Design and Synthesis of Fluorinated Amphiphile as ¹⁹F MRI/Fluorescence Dual-Imaging Agent by Tuning the Self-Assembly. Journal of Organic Chemistry, 2015, 80, 6360-6366.	1.7	45
14	In vivodrug tracking with¹⁹F MRI at therapeutic dose. Chemical Communications, 2018, 54, 3875-3878.	2.2	43
15	Fluorinated paramagnetic chelates as potential multi-chromic 19F tracer agents. Chemical Communications, 2011, 47, 7233.	2.2	40
16	Discovery of a ¹⁹F MRI sensitive salinomycin derivative with high cytotoxicity towards cancer cells. Chemical Communications, 2016, 52, 5136-5139.	2.2	39
17	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. Journal of Organic Chemistry, 2007, 72, 1464-1467.	1.7	33
18	An Efficient and General Route togem-Difluoromethylenated Î±,Î²-Unsaturated Î´-Lactones:Â High Enantioselective Synthesis ofgem-Difluoromethylenated Goniothalamins. Journal of Organic Chemistry, 2006, 71, 7261-7267.	1.7	32

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19	The design and synthesis of highly branched and spherically symmetric fluorinated oils and amphiles. Tetrahedron, 2007, 63, 3982-3988.	1.0	32
20	Synthesis of Difluorinated Heterocyclics through Metal-Free [8+1] and [4+1] Cycloaddition of Difluorocarbene. Organic Letters, 2021, 23, 2670-2675.	2.4	31
21	Fluorous Mixture Synthesis of Asymmetric Dendrimers. Journal of Organic Chemistry, 2010, 75, 2044-2049.	1.7	30
22	Copper-catalyzed intermolecular chloroazidation of Î±,Î²-unsaturated amides. Organic and Biomolecular Chemistry, 2016, 14, 7463-7467.	1.5	29
23	Halotrifluoromethylation of 1,3-Enynes: Access to Tetrasubstituted Allenes. Organic Letters, 2021, 23, 2314-2319.	2.4	26
24	Paramagnetic nanoemulsions with unified signals for sensitive ¹⁹F MRI cell tracking. Chemical Communications, 2018, 54, 6000-6003.	2.2	25
25	Synthesis and biological evaluation of 20-epi-amino-20-deoxysalinomycin derivatives. European Journal of Medicinal Chemistry, 2018, 148, 279-290.	2.6	24
26	Fe2O3-Promoted Intermolecular Chlorotrifluoromethylthiolation of Alkenes. Journal of Organic Chemistry, 2018, 83, 2808-2817.	1.7	24
27	Macrocyclic Sulfates as Versatile Building Blocks in the Synthesis of Monodisperse Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overloc 800-805.	1.3	23
28	Amide bond-containing monodisperse polyethylene glycols beyond 10â€‰000 Da. Organic and Biomolecular Chemistry, 2016, 14, 7912-7919.	1.5	23
29	Synthesis of trifluoromethylated analogues of Î²-l-fucofuranose and Î²-l-4,6-dideoxyxylohexopyranose. Journal of Fluorine Chemistry, 2006, 127, 580-587.	0.9	22
30	Fluorous synthesis of mono-dispersed poly(ethylene glycols). Tetrahedron Letters, 2014, 55, 2110-2113.	0.7	22
31	Regioselective and Stereoselective Nucleophilic Ring Opening of Trifluoromethylated Cyclic Sulfates:Â Asymmetric Synthesis of Both Enantiomers ofsyn-(3-Trifluoromethyl)isoserine. Journal of Organic Chemistry, 2004, 69, 5486-5489.	1.7	21
32	¹⁹F CEST imaging probes for metal ion detection. Organic and Biomolecular Chemistry, 2017, 15, 6441-6446.	1.5	21
33	Application of Monodisperse PEGs in Pharmaceutics: Monodisperse Polidocanols. Molecular Pharmaceutics, 2017, 14, 3473-3479.	2.3	20
34	Peptidic Monodisperse PEG â€œcombsâ€•with Fine-Tunable LCST and Multiple Imaging Modalities. Biomacromolecules, 2019, 20, 1281-1287.	2.6	20
35	Fluorinated porphyrin-based theranostics for dual imaging and chemo-photodynamic therapy. Journal of Materials Chemistry B, 2020, 8, 4469-4474.	2.9	20
36	Perfluoro-tert-butanol: a cornerstone for high performance fluorine-19 magnetic resonance imaging. Chemical Communications, 2021, 57, 7743-7757.	2.2	20

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37	Peptidic Monodisperse PEG â€œCombâ€•as Multifunctional â€œAddâ€Onâ€•Module for Imagingâ€Traceable and Thermoâ€Responsive Theranostics. Advanced Healthcare Materials, 2020, 9, e1901331.	3.9	18
38	Double Click Reaction for the Acquisition of a Highly Potent and Selective mPTPB Inhibitor. ChemMedChem, 2010, 5, 2051-2056.	1.6	17
39	Drug Development through Modification of Small Molecular Drugs with Monodisperse Poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Ove	1.3	17
40	Fluorinated cryptophane-A and porphyrin-based theranostics for multimodal imaging-guided photodynamic therapy. Chemical Communications, 2020, 56, 3617-3620.	2.2	17
41	Development of a Scalable Process for Î±-Amino-Ï‰-methoxyl-dodecaethylene Glycol. Organic Process Research and Development, 2015, 19, 1769-1773.	1.3	16
42	A poly(glycerol sebacate) based photo/thermo dual curable biodegradable and biocompatible polymer for biomedical applications. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1728-1739.	1.9	16
43	Monodisperse polyethylene glycol â€œbrushesâ€•with enhanced lipophilicity, and thermo and plasma stability. Chemical Communications, 2019, 55, 1895-1898.	2.2	16
44	¹²⁹Xe Hyper-CEST/¹⁹F MRI Multimodal Imaging System for Sensitive and Selective Tumor Cells Detection. ACS Applied Bio Materials, 2019, 2, 27-32.	2.3	16
45	Monodisperse oligoethylene glycols modified Camptothecin, 10-Hydroxycamptothecin and SN38 prodrugs. Bioorganic and Medicinal Chemistry Letters, 2019, 29, 581-584.	1.0	16
46	Thiazole-based and thiazolidine-based protein tyrosine phosphatase 1B inhibitors as potential anti-diabetes agents. Medicinal Chemistry Research, 2021, 30, 519-534.	1.1	16
47	Fe 2 O 3 -catalyzed Pummerer rearrangement of acyl chlorides and sulfoxides: Facile synthesis of alkylthiomethyl ester. Tetrahedron Letters, 2017, 58, 2199-2202.	0.7	15
48	Quantitatively Fine-Tuning the Physicochemical and Biological Properties of Peptidic Polymers through Monodisperse PEGylation. Biomacromolecules, 2020, 21, 725-731.	2.6	15
49	Palladium-catalyzed cyclocarbonylation of (Z)-3-iodo-3-trifluoromethyl allylic alcohols producing 3-trifluoromethyl-2(5H)-furanones (Î³-lactones). Tetrahedron Letters, 2001, 42, 5933-5935.	0.7	14
50	Total synthesis of trifluoromethylated analogs of macrosphelide A. Tetrahedron, 2007, 63, 12671-12680.	1.0	14
51	Design, synthesis and evaluation of novel ¹⁹F magnetic resonance sensitive protein tyrosine phosphatase inhibitors. MedChemComm, 2016, 7, 1672-1680.	3.5	14
52	Monitoring Fluorinated Dendrimerâ€Based Selfâ€Assembled Drugâ€Delivery Systems with ¹⁹F Magnetic Resonance. European Journal of Organic Chemistry, 2017, 2017, 4461-4468.	1.2	14
53	Practical and regioselective halo-trifluoromethylthiolation of sulfur ylides. Chemical Communications, 2020, 56, 8265-8268.	2.2	14
54	New approach to 3-oxo-4-aza-5Î±-androst-1-ene-17Î²-(--butylcarboxamide). Steroids, 2005, 70, 690-693.	0.8	13

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55	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. RSC Advances, 2014, 4, 54565-54575.	1.7	13
56	Monodisperse oligoethylene glycols modified Propofol prodrugs. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 3502-3505.	1.0	12
57	Chlorotrifluoromethylthiolation of Sulfur Ylides for the Formation of Tetrasubstituted Trifluoromethylthiolated Alkenes. Organic Letters, 2020, 22, 7378-7382.	2.4	12
58	Palladium-catalyzed cyclocarbonylation of trifluoromethyl propargylic alcohols producing 3-trifluoromethyl-2(5H)-furanones (Î³-lactones). Tetrahedron Letters, 2001, 42, 9051-9053.	0.7	11
59	Synthesis of trifluoromethylated Î³- and Î²-lactones through the palladium-catalyzed cyclocarbonylation. Journal of Fluorine Chemistry, 2002, 114, 177-180.	0.9	11
60	Monitoring dendrimer conformational transition using 19 F and 1 H 2 O NMR. Magnetic Resonance in Chemistry, 2019, 57, 861-872.	1.1	10
61	The Design and Synthesis of Highly Branched and Spherically Symmetric Fluorinated Macrocyclic Chelators. Synthesis, 2008, 2008, 215-220.	1.2	9
62	Synthesis of gemini surfactants with twelve symmetric fluorine atoms and one singlet 19F MR signal as novel 19F MRI agents. Tetrahedron, 2013, 69, 9586-9590.	1.0	9
63	Conformational transition of a non-associative fluorinated amphiphile in aqueous solution. II. Conformational transition vs. supramolecular assembly. RSC Advances, 2019, 9, 1956-1966.	1.7	9
64	Monodisperse and Polydisperse PEGylation of Peptides and Proteins: A Comparative Study. Biomacromolecules, 2020, 21, 3134-3139.	2.6	9
65	Recent progress on fluorous synthesis of biologically interesting compounds. Molecular Diversity, 2014, 18, 203-218.	2.1	8
66	Asymmetric synthesis of both enantiomers of syn-(3-trifluoromethyl)cysteine derivatives. Journal of Fluorine Chemistry, 2005, 126, 497-503.	0.9	7
67	Synthesis of Branched Monodisperse Oligoethylene Glycols and ¹⁹F MRI-Traceable Biomaterials through Reductive Dimerization of Azides. Journal of Organic Chemistry, 2020, 85, 6778-6787.	1.7	7
68	One-pot synthesis of monodisperse dual-functionalized polyethylene glycols through macrocyclic sulfates. Organic and Biomolecular Chemistry, 2018, 16, 8537-8545.	1.5	6
69	A Chemical Strategy for Amphiphile Replacement in Membrane Protein Research. Langmuir, 2019, 35, 4319-4327.	1.6	6
70	F^{â€“}-Free Deoxyhydrotrifluoromethylation of Î±-Keto Esters with Ph₃P⁺CF₂CO₂^{â€“}: Synthesis of Î±â€“CF₃-Substituted Esters. Journal of Organic Chemistry, 2020, 85, 10913-10923.	1.7	6
71	Partially fluorinated nanoemulsions for 19F MRI-fluorescence dual imaging cell tracking. Colloids and Surfaces B: Biointerfaces, 2022, 215, 112493.	2.5	6
72	Electrophilic chloro(Ï‰-alkoxy)lation of alkenes employing 1-chloro-1,2-benziodoxol-3-one: facile synthesis of Î²-chloroethers. Organic and Biomolecular Chemistry, 2018, 16, 7203-7213.	1.5	5

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73	Disulfideâ€Containing Detergents (DCDs) for the Structural Biology of Membrane Proteins. Chemistry - A European Journal, 2019, 25, 11635-11640.	1.7	5
74	Cancer Theranostics: A Versatile Theranostic Nanoemulsion for Architectureâ€Dependent Multimodal Imaging and Dually Augmented Photodynamic Therapy (Adv. Mater. 21/2019). Advanced Materials, 2019, 31, 1970155.	11.1	5
75	Synthesis of trifluoromethylated aza-BODIPYs as fluorescence-¹⁹F MRI dual imaging and photodynamic agents. Organic and Biomolecular Chemistry, 2022, 20, 3335-3341.	1.5	5
76	Study of kinetics of 19F-MRI using a fluorinated imaging agent (19FIT) on a 3T clinical MRI system. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2019, 32, 97-103.	1.1	4
77	Hydrofluorocarbon nanoparticles for ¹⁹F MRI-fluorescence dual imaging and chemo-photodynamic therapy. Organic and Biomolecular Chemistry, 2022, 20, 1299-1305.	1.5	4
78	Nucleophilic Substitution on Porphyrin Ring: Synthesis of 2-(2-Hydroxynaphthyl)-5,10,15,20-tetraphenylporphyrin. Chinese Journal of Chemistry, 2007, 25, 250-253.	2.6	3
79	Elucidation of Distinct Modular Assemblies of Smoothened Receptor by Bitopic Ligand Measurement. Journal of Medicinal Chemistry, 2021, 64, 13830-13840.	2.9	3
80	Synthesis of SCF₃â€Substituted Sulfonium Ylides from Sulfonium Salts or Î±â€Bromoacetic Esters. Advanced Synthesis and Catalysis, 2022, 364, 738-743.	2.1	3
81	Optimize the separation of fluorinated amphiles using high-performance liquid chromatography. Journal of Fluorine Chemistry, 2014, 165, 39-42.	0.9	1
82	Synthesis of symmetrical secondary oligoethylene glycolated amines from diethanolamine. Organic and Biomolecular Chemistry, 2022, 20, 5129-5138.	1.5	1