

Stephen G Dimagno

List of Publications by Year in descending order

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62
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citations

126708

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72
all docs

72
docs citations

72
times ranked

4709
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly conjugated, acetylenyl bridged porphyrins: new models for light-harvesting antenna systems. <i>Science</i> , 1994, 264, 1105-1111.	6.0	691
2	The Polar Hydrophobicity of Fluorinated Compounds. <i>ChemBioChem</i> , 2004, 5, 622-627.	1.3	405
3	Push~Pull Arylethynyl Porphyrins: New Chromophores That Exhibit Large Molecular First-Order Hyperpolarizabilities. <i>Journal of the American Chemical Society</i> , 1996, 118, 1497-1503.	6.6	355
4	Anhydrous Tetrabutylammonium Fluoride. <i>Journal of the American Chemical Society</i> , 2005, 127, 2050-2051.	6.6	339
5	Facile elaboration of porphyrins via metal-mediated cross-coupling. <i>Journal of Organic Chemistry</i> , 1993, 58, 5983-5993.	1.7	257
6	Room-Temperature Nucleophilic Aromatic Fluorination: Experimental and Theoretical Studies. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 2720-2725.	7.2	189
7	Reactivities of vinyl azides and their recent applications in nitrogen heterocycle synthesis. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 3844-3855.	1.5	168
8	Exceptional Electronic Modulation of Porphyrins through meso-Arylethynyl Groups. Electronic Spectroscopy, Electronic Structure, and Electrochemistry of [5,15-Bis[(aryl)ethynyl]-10,20-diphenylporphinato]zinc(II) Complexes. X-ray Crystal Structures of [5,15-Bis[(4-fluorophenyl)ethynyl]-10,20-diphenylporphinato]zinc(II) and [5,15-Bis[(4-methoxyphenyl)ethynyl]-10,20-diphenylporphyrin]. <i>Journal of the American Chemical Society</i> , 1996, 118, 11854-11864.	6.6	163
9	Catalytic conversion of simple haloporphyrins into alkyl-, aryl-, pyridyl-, and vinyl-substituted porphyrins. <i>Journal of the American Chemical Society</i> , 1993, 115, 2513-2515.	6.6	148
10	Fluorous Biphasic Singlet Oxygenation with a Perfluoroalkylated Photosensitizer. <i>Journal of the American Chemical Society</i> , 1996, 118, 5312-5313.	6.6	106
11	Electronic Consequences of Nonplanar Core Conformations in Electron-Deficient Porphyrins: The Structure and Spectroscopic Properties of [5,10,15,20-Tetrakis(heptafluoropropyl)porphinato]cobalt(II). <i>Journal of the American Chemical Society</i> , 1995, 117, 8279-8280.	6.6	104
12	Facile Synthesis of meso-Tetrakis(perfluoroalkyl)porphyrins: Spectroscopic Properties and X-ray Crystal Structure of Highly Electron-Deficient 5,10,15,20-Tetrakis(heptafluoropropyl)porphyrin. <i>Journal of Organic Chemistry</i> , 1994, 59, 6943-6948.	1.7	103
13	On the Negligible Impact of Ruffling on the Electronic Spectra of Porphine, Tetramethylporphyrin, and Perfluoroalkylporphyrins. <i>Journal of the American Chemical Society</i> , 2001, 123, 3932-3939.	6.6	101
14	2,3,7,8,12,13,17,18-Octafluoro-5,10,15,20-tetraarylporphyrins and Their Zinc Complexes: A First Spectroscopic, Electrochemical, and Structural Characterization of a Perfluorinated Tetraarylmetalporphyrin. <i>Journal of Organic Chemistry</i> , 1997, 62, 1588-1593.	1.7	99
15	Regiospecific Reductive Elimination from Diaryliodonium Salts. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 4079-4083.	7.2	81
16	Structure and Transport Properties of a Novel, Heavily Fluorinated Carbohydrate Analogue. <i>Journal of the American Chemical Society</i> , 1998, 120, 9082-9083.	6.6	70
17	The Strength of Weak Interactions: Aromatic Fluorine in Drug Design. <i>Current Topics in Medicinal Chemistry</i> , 2006, 6, 1473-1482.	1.0	66
18	A Method for Detecting Water in Organic Solvents. <i>Organic Letters</i> , 2008, 10, 4413-4416.	2.4	61

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19	Dual-Target Binding Ligands with Modulated Pharmacokinetics for Endoradiotherapy of Prostate Cancer. <i>Journal of Nuclear Medicine</i> , 2017, 58, 1442-1449.	2.8	61
20	In Vivo Biodistribution of No-Carrier-Added 6-18F-Fluoro-3,4-Dihydroxy-L-Phenylalanine (18F-DOPA), Produced by a New Nucleophilic Substitution Approach, Compared with Carrier-Added 18F-DOPA, Prepared by Conventional Electrophilic Substitution. <i>Journal of Nuclear Medicine</i> , 2015, 56, 106-112.	2.8	60
21	Umpolung of a Metal-Carbon Bond: A Potential Route to Porphyrin-Based Methane Functionalization Catalysts. <i>Journal of the American Chemical Society</i> , 2000, 122, 8569-8570.	6.6	58
22	A Mild and General One-Pot Synthesis of Densely Functionalized Diaryliodonium Salts. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5919-5924.	1.2	57
23	Improved Arene Fluorination Methodology for I(III) Salts. <i>Organic Letters</i> , 2010, 12, 3352-3355.	2.4	55
24	A Single Dose of ²²⁵ Ac-RPS-074 Induces a Complete Tumor Response in an LNCaP Xenograft Model. <i>Journal of Nuclear Medicine</i> , 2019, 60, 649-655.	2.8	55
25	Unprecedented Directing Group Ability of Cyclophanes in Arene Fluorinations with Diaryliodonium Salts. <i>Organic Letters</i> , 2011, 13, 3158-3161.	2.4	51
26	Albumin-Binding PSMA Ligands: Implications for Expanding the Therapeutic Window. <i>Journal of Nuclear Medicine</i> , 2019, 60, 656-663.	2.8	48
27	A Straightforward Synthesis of 3,4-Difluoropyrrole. <i>Journal of Organic Chemistry</i> , 1998, 63, 5706-5707.	1.7	42
28	¹⁹ F NMR and Structural Evidence for Spin-State Modulation of Six-Coordinate Cobalt(II) in a Weak Field Porphyrin Ligand. <i>Inorganic Chemistry</i> , 1998, 37, 4971-4978.	1.9	41
29	Slow Electron Transfer Rates for Fluorinated Cobalt Porphyrins: Electronic and Conformational Factors Modulating Metalloporphyrin ET. <i>Inorganic Chemistry</i> , 2003, 42, 6032-6040.	1.9	41
30	Fluoride relay: a new concept for the rapid preparation of anhydrous nucleophilic fluoride salts from KF. <i>Chemical Communications</i> , 2007, , 528-529.	2.2	37
31	Single Enantiomer, Chiral Donor-Acceptor Metal Complexes from Bisoxazoline Pseudoracemates. <i>Organic Letters</i> , 2006, 8, 2759-2762.	2.4	35
32	Competitive demethylation and substitution in N,N,N-trimethylanilinium fluorides. <i>Journal of Fluorine Chemistry</i> , 2007, 128, 806-812.	0.9	35
33	Fluoride-promoted ligand exchange in diaryliodonium salts. <i>Journal of Fluorine Chemistry</i> , 2010, 131, 1113-1121.	0.9	32
34	Structure and Photophysics of β^2 -Octafluoro-meso-tetraarylporphyrins. <i>Inorganic Chemistry</i> , 2001, 40, 2614-2619.	1.9	29
35	A Practical, Automated Synthesis of <i>meta</i> -[¹⁸ F]Fluorobenzylguanidine for Clinical Use. <i>ACS Chemical Neuroscience</i> , 2015, 6, 1870-1879.	1.7	29
36	Preclinical Evaluation of a High-Affinity Sarcophagine-Containing PSMA Ligand for ⁶⁴ Cu/ ⁶⁷ Cu-Based Theranostics in Prostate Cancer. <i>Molecular Pharmaceutics</i> , 2020, 17, 1954-1962.	2.3	28

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37	.pi.-Stacking and aggregation of pyridinium-substituted indolizines. <i>The Journal of Physical Chemistry</i> , 1993, 97, 1085-1096.	2.9	25
38	An Alternative to the Sandmeyer Approach to Aryl Iodides. <i>Chemistry - A European Journal</i> , 2015, 21, 6394-6398.	1.7	24
39	Ligand Fluorination to Optimize Preferential Oxidation of Carbon Monoxide by Water-Soluble Rhodium Porphyrins. <i>ACS Catalysis</i> , 2011, 1, 764-771.	5.5	22
40	Polymerization of 3,4-Difluoropyrrole: Electrochemical and Physicochemical Behavior of Poly(Difluoropyrrole). <i>Chemistry of Materials</i> , 2000, 12, 2025-2030.	3.2	21
41	Efficient automated syntheses of high specific activity 6- ¹⁸ F-fluorodopamine using a diaryliodonium salt precursor. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2016, 59, 30-34.	0.5	21
42	Thermolysis and radiofluorination of diaryliodonium salts derived from anilines. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2246-2252.	1.5	17
43	The structure and remarkable stability of a per-pyridinium substituted allyl radical. <i>Journal of the American Chemical Society</i> , 1991, 113, 4679-4681.	6.6	16
44	Differential substituent effects of \hat{I}^2 -halogens in water-soluble porphyrins Electronic supplementary information (ESI) available: electrochemical procedures, procedure for pKa determinations, Beer's law deviations, calculations, Table S1 and Figs. S1 to S9. See http://www.rsc.org/suppdata/ob/b2/b209345f/ . <i>Organic and Biomolecular Chemistry</i> , 2003, 1, 733-736.	1.5	16
45	Ion pairing in tetraphenylporphyrin oxidation: a semiquantitative study. <i>Dalton Transactions</i> , 2005, , 3148.	1.6	16
46	A Trifunctional Theranostic Ligand Targeting Fibroblast Activation Protein- \hat{I}^{\pm} (FAP \hat{I}^{\pm}). <i>Molecular Imaging and Biology</i> , 2021, 23, 686-696.	1.3	15
47	Reversible Electrochemical Generation of a Rhodium(II) Porphyrin: Thwarting Disproportionation with Weakly Coordinating Anions. <i>Inorganic Chemistry</i> , 2003, 42, 4507-4509.	1.9	14
48	Radioiodinated Capsids Facilitate In Vivo Non-Invasive Tracking of Adeno-Associated Gene Transfer Vectors. <i>Scientific Reports</i> , 2017, 7, 39594.	1.6	13
49	Improved, one-pot synthesis of ⁶ ¹⁸ F-fluorodopamine and quality control testing for use in patients with neuroblastoma. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 1069-1080.	0.5	13
50	The structure and reactivity of 1,2,3,3-tetrakis[4-(dimethylamino)pyridinium-1-yl]cyclopropene salts. <i>Journal of Organic Chemistry</i> , 1992, 57, 2902-2909.	1.7	12
51	Replacement of BF ₄ ⁻ by PF ₆ ⁻ makes Selectfluor greener. <i>Journal of Fluorine Chemistry</i> , 2012, 143, 226-230.	0.9	12
52	Fluorinated Porphyrins and Corroles: Synthesis, Electrochemistry, and Applications. , 2014, , 589-620.		12
53	Production and transport of gaseous ¹⁸ F-synthons: ¹⁸ F-acyl fluorides. <i>Journal of Fluorine Chemistry</i> , 2015, 180, 181-185.	0.9	8
54	Rapid Preparation of Fluorinated Aromatic Heterocycles. <i>ACS Symposium Series</i> , 2009, , 85-104.	0.5	5

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55	TBAF Fluorination for Preparing Alkyl Fluorides. , 2018, , 1-10.		2
56	Novel synthetic approaches to electron deficient porphyrins. Journal of Inorganic Biochemistry, 1993, 51, 39.	1.5	0
57	Novel acetylenyl porphyrins: Synthesis, spectroscopy, and electrochemistry. Journal of Inorganic Biochemistry, 1993, 51, 163.	1.5	0
58	Probing electronic coupling between π - and π^* -networks in a series of porphyrin-spacer-quinone systems. Journal of Inorganic Biochemistry, 1993, 51, 240.	1.5	0
59	The Polar Hydrophobicity of Fluorinated Compounds. ChemInform, 2004, 35, no.	0.1	0
60	TBAF Fluorination for Preparing Alkyl Fluorides. , 2020, , 605-613.		0
61	TBAF Fluorination for Preparing Alkyl Fluorides. , 2018, , 1-10.		0
62	Synthesis and Evaluation of ^{11}C -Labeled Triazolones as Probes for Imaging Fatty Acid Synthase Expression by Positron Emission Tomography. Molecules, 2022, 27, 1552.	1.7	0