

Dae Yoon Chi

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7115013/publications.pdf>

Version: 2024-02-01

144
papers

5,365
citations

76326

40
h-index

102487

66
g-index

148
all docs

148
docs citations

148
times ranked

4878
citing authors

#	ARTICLE	IF	CITATIONS
1	A New Class of SN2 Reactions Catalyzed by Protic Solvents: A Facile Fluorination for Isotopic Labeling of Diagnostic Molecules. <i>Journal of the American Chemical Society</i> , 2006, 128, 16394-16397.	13.7	296
2	Polymer-Supported Ionic Liquids: Imidazolium Salts as Catalysts for Nucleophilic Substitution Reactions Including Fluorinations. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 483-485.	13.8	251
3	New Method of Fluorination Using Potassium Fluoride in Ionic Liquid: A Significantly Enhanced Reactivity of Fluoride and Improved Selectivity. <i>Journal of the American Chemical Society</i> , 2002, 124, 10278-10279.	13.7	242
4	Self-assembled glycol chitosan nanoparticles for the sustained and prolonged delivery of antiangiogenic small peptide drugs in cancer therapy. <i>Biomaterials</i> , 2008, 29, 1920-1930.	11.4	211
5	Facile Nucleophilic Fluorination Reactions Using <i>tert</i> -Alcohols as a Reaction Medium: A Significantly Enhanced Reactivity of Alkali Metal Fluorides and Improved Selectivity. <i>Journal of Organic Chemistry</i> , 2008, 73, 957-962.	3.2	168
6	Significantly Enhanced Reactivities of the Nucleophilic Substitution Reactions in Ionic Liquid. <i>Journal of Organic Chemistry</i> , 2003, 68, 4281-4285.	3.2	159
7	Hydrogen-bond promoted nucleophilic fluorination: concept, mechanism and applications in positron emission tomography. <i>Chemical Society Reviews</i> , 2016, 45, 4638-4650.	38.1	130
8	A rapid and efficient method for the fluoroalkylation of amines and amides. Development of a method suitable for incorporation of the short-lived positron emitting radionuclide fluorine-18. <i>Journal of Organic Chemistry</i> , 1987, 52, 658-664.	3.2	114
9	Bis-Terminal Hydroxy Polyethers as All-Purpose, Multifunctional Organic Promoters: A Mechanistic Investigation and Applications. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 7683-7686.	13.8	103
10	Homodimeric and Heterodimeric Bis(amino thiol) Oxometal Complexes with Rhenium(V) and Technetium(V). Control of Heterodimeric Complex Formation and an Approach to Metal Complexes that Mimic Steroid Hormones. <i>Journal of Medicinal Chemistry</i> , 1994, 37, 928-937.	6.4	93
11	Heterogeneous asymmetric epoxidation of alkenes catalysed by a polymer-bound (pyrrolidine) Tj ETQq1 1 0.784314 4.1 91	4.1	91
12	Synergistic Effect of Two Solvents, <i>tert</i> -Alcohol and Ionic Liquid, in One Molecule in Nucleophilic Fluorination. <i>Organic Letters</i> , 2008, 10, 733-735.	4.6	87
13	Copper nitride nanoparticles supported on a superparamagnetic mesoporous microsphere for toxic-free click chemistry. <i>Chemical Communications</i> , 2010, 46, 3935.	4.1	83
14	Fully automated synthesis of [18F]fluoromisonidazole using a conventional [18F]FDG module. <i>Nuclear Medicine and Biology</i> , 2005, 32, 899-905.	0.6	81
15	A new nucleophilic fluorine-18 labeling method for aliphatic mesylates: reaction in ionic liquids shows tolerance for water. <i>Nuclear Medicine and Biology</i> , 2003, 30, 345-350.	0.6	78
16	Fully automated synthesis system of 3-deoxy-3-[18F]fluorothymidine. <i>Nuclear Medicine and Biology</i> , 2004, 31, 803-809.	0.6	78
17	Mono- and Dialkylations of Pyrrole at C2 and C5 Positions by Nucleophilic Substitution Reaction in Ionic Liquid. <i>Organic Letters</i> , 2005, 7, 1231-1234.	4.6	77
18	Application of Ionic Liquid Halide Nucleophilicity for the Cleavage of Ethers: A Green Protocol for the Regeneration of Phenols from Ethers. <i>Journal of Organic Chemistry</i> , 2004, 69, 3340-3344.	3.2	75

#	ARTICLE	IF	CITATIONS
19	Hydroxylation of Alkyl Halides with Water in Ionic Liquid: A Significantly Enhanced Nucleophilicity of Water. <i>Journal of Organic Chemistry</i> , 2004, 69, 3186-3189.	3.2	72
20	An efficient F-18 labeling method for PET study: Huisgen 1,3-dipolar cycloaddition of bioactive substances and F-18-labeled compounds. <i>Tetrahedron Letters</i> , 2007, 48, 3953-3957.	1.4	72
21	Formylchromone derivatives as a novel class of protein tyrosine phosphatase 1B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 2561-2563.	2.2	70
22	Structural Modification of Polymer-Supported Ionic Liquids as Catalysts for Nucleophilic Substitution Reactions Including Fluorination. <i>Advanced Synthesis and Catalysis</i> , 2006, 348, 1719-1727.	4.3	70
23	Selective formation of heterodimeric bis-bidentate aminothiolo-oxometal complexes of rhenium(V). <i>Journal of the American Chemical Society</i> , 1993, 115, 7045-7046.	13.7	61
24	A Facile Debromination Reaction: Can Bromide Now Be Used as a Protective Group in Aromatic Systems?. <i>Journal of the American Chemical Society</i> , 2001, 123, 9202-9203.	13.7	61
25	Facile aromatic radiofluorination of [18F]flumazenil from diaryliodonium salts with evaluation of their stability and selectivity. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8346.	2.8	61
26	Nonselective Bromination vs Selective Debromination Strategy: Selective Bromination of Unsymmetrical Ketones on Singly Activated Carbon against Doubly Activated Carbon. <i>Organic Letters</i> , 2003, 5, 411-414.	4.6	59
27	Potassium carbonate as a base for the N-alkylation of indole and pyrrole in ionic liquids. <i>Tetrahedron Letters</i> , 2006, 47, 2435-2438.	1.4	59
28	One-step high-radiochemical-yield synthesis of [18F]FP-CIT using a protic solvent system. <i>Nuclear Medicine and Biology</i> , 2007, 34, 345-351.	0.6	58
29	Synthesis of 11.β-[18F]Fluoro-5.α.-dihydrotestosterone and 11.β.-[18F]Fluoro-19-nor-5.α.-dihydrotestosterone: Preparation via Halofluorination-Reduction, Receptor Binding, and Tissue Distribution. <i>Journal of Medicinal Chemistry</i> , 1995, 38, 816-825.	6.4	57
30	Induced Phenotype Targeted Therapy: Radiation-Induced Apoptosis-Targeted Chemotherapy. <i>Journal of the National Cancer Institute</i> , 2015, 107, .	6.3	55
31	Osmium tetroxide (OsO ₄) in an ionic liquid: a highly efficient and recyclable catalyst system for asymmetric dihydroxylation of olefins. <i>Chemical Communications</i> , 2002, , 3038-3039.	4.1	54
32	Facile S _N 2 Reaction in Protic Solvent: A Quantum Chemical Analysis. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10152-10161.	2.5	52
33	Palladium-catalyzed functionalization of 5- and 7-azaindoles. <i>Tetrahedron Letters</i> , 2000, 41, 919-922.	1.4	47
34	Facile Oxidation of Fused 1,4-Dimethoxybenzenes to 1,4-Quinones Using NBS: Fine-Tuned Control over Bromination and Oxidation Reactions. <i>Organic Letters</i> , 2001, 3, 445-447.	4.6	47
35	Simple and highly efficient synthesis of 3-deoxy-3-[18F]fluorothymidine using nucleophilic fluorination catalyzed by protic solvent. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 1406-1409.	6.4	46
36	Fluorine-Substituted Cyclofenil Derivatives as Estrogen Receptor Ligands: Synthesis and Structure-Affinity Relationship Study of Potential Positron Emission Tomography Agents for Imaging Estrogen Receptors in Breast Cancer. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2496-2511.	6.4	45

#	ARTICLE	IF	CITATIONS
37	Heterodimeric Bis(amino thiol) Complexes of Oxorhenium(V) That Mimic the Structure of Steroid Hormones. Synthesis and Stereochemical Issues. <i>Journal of Organic Chemistry</i> , 1996, 61, 2624-2631.	3.2	43
38	Rapid synthesis of [¹⁸ F]FDG without an evaporation step using an ionic liquid. <i>Applied Radiation and Isotopes</i> , 2004, 61, 1241-1246.	1.5	43
39	Polymer-supported protic functionalized ionic liquids for nucleophilic substitution reactions: superior catalytic activity compared to other ionic resins. <i>Tetrahedron Letters</i> , 2008, 49, 4245-4248.	1.4	42
40	Polymer-Supported Pentaethylene Glycol as a Facile Heterogeneous Catalyst for Nucleophilic Fluorination. <i>Organic Letters</i> , 2010, 12, 3740-3743.	4.6	42
41	Favorable biokinetic and tumor-targeting properties of ^{99m} Tc-labeled glucosamino RGD and effect of paclitaxel therapy. <i>Journal of Nuclear Medicine</i> , 2006, 47, 2000-7.	5.0	42
42	Immobilisation of ketone catalyst: a method to prevent ketone catalyst from decomposing during dioxirane-mediated epoxidation of alkenes. <i>Chemical Communications</i> , 2000, , 2415-2416.	4.1	41
43	Highly efficient production of [¹⁸ F]fallypride using small amounts of base concentration. <i>Applied Radiation and Isotopes</i> , 2010, 68, 2279-2284.	1.5	40
44	Radiolabeled RGD uptake and alphav integrin expression is enhanced in ischemic murine hindlimbs. <i>Journal of Nuclear Medicine</i> , 2005, 46, 472-8.	5.0	40
45	Synthesis of Symmetrical Organic Carbonates via Significantly Enhanced Alkylation of Metal Carbonates with Alkyl Halides/Sulfonates in Ionic Liquid. <i>Journal of Organic Chemistry</i> , 2005, 70, 10774-10777.	3.2	39
46	An improved method of ¹⁸ F peptide labeling: hydrazone formation with HYNIC-conjugated c(RGDyK). <i>Nuclear Medicine and Biology</i> , 2006, 33, 677-683.	0.6	39
47	Facile nucleophilic fluorination by synergistic effect between polymer-supported ionic liquid catalyst and tert-alcohol reaction media system. <i>Tetrahedron</i> , 2008, 64, 4209-4214.	1.9	38
48	SN ₂ Fluorination reactions in ionic liquids: a mechanistic study towards solvent engineering. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 418-422.	2.8	37
49	Novel Synthesis of 2-Chloroquinolines from 2-Vinylanilines in Nitrile Solvent. <i>Journal of Organic Chemistry</i> , 2002, 67, 7884-7886.	3.2	36
50	Synthesis and binding affinities of fluoroalkylated raloxifenes. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3649-3658.	3.0	36
51	The regioselectivity in the reaction of 6,7-dihaloquinoline-5,8-diones with amine nucleophiles in various solvents. <i>Tetrahedron Letters</i> , 2000, 41, 7475-7480.	1.4	34
52	[¹⁸ F]Fluoromethyl-PBR28 as a Potential Radiotracer for TSPO: Preclinical Comparison with [¹¹ C]PBR28 in a Rat Model of Neuroinflammation. <i>Bioconjugate Chemistry</i> , 2014, 25, 442-450.	3.6	33
53	The automatic production of ¹⁶ β-[¹⁸ F]fluoroestradiol using a conventional [¹⁸ F]FDG module with a disposable cassette system. <i>Applied Radiation and Isotopes</i> , 2007, 65, 676-681.	1.5	32
54	Approach to the Synthesis of Indoline Derivatives from Diaryliodonium Salts. <i>Journal of Organic Chemistry</i> , 2012, 77, 5705-5713.	3.2	31

#	ARTICLE	IF	CITATIONS
55	tert-Alcohol-functionalized imidazolium ionic liquid: catalyst for mild nucleophilic substitution reactions at room temperature. <i>Tetrahedron Letters</i> , 2009, 50, 6654-6657.	1.4	30
56	Syntheses and radical scavenging activities of resveratrol derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 463-466.	2.2	29
57	16-Cyclopentadienyl Tricarbonyl ^{99m} Tc 16-Oxo-hexadecanoic Acid: Synthesis and Evaluation of Fatty Acid Metabolism in Mouse Myocardium. <i>Journal of Medicinal Chemistry</i> , 2008, 51, 3630-3634.	6.4	28
58	High Efficiency Synthesis of F-18 Fluoromethyl Ethers: An Attractive Alternative for C-11 Methyl Groups in Positron Emission Tomography Radiopharmaceuticals. <i>Organic Letters</i> , 2013, 15, 4346-4349.	4.6	28
59	Synthesis and evaluation of fluorine-substituted 1H-pyrrolo[2,3-b]pyridine derivatives for dopamine D4 receptor imaging. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 5505-5513.	3.0	26
60	Efficient methods for the synthesis of 5-(4-[¹⁸ F]fluorophenyl)-10,15,20-tris(3-methoxyphenyl)porphyrin as a potential imaging agent for tumor. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2005, 48, 749-758.	1.0	26
61	A novel compound PTIQ protects the nigral dopaminergic neurones in an animal model of Parkinson's disease induced by MPTP. <i>British Journal of Pharmacology</i> , 2012, 165, 2213-2227.	5.4	25
62	Genetic incorporation of unnatural amino acids biosynthesized from L-keto acids by an aminotransferase. <i>Chemical Science</i> , 2014, 5, 1881.	7.4	25
63	Convenient One-Pot Synthesis of 2,2-Bis-(4-hydroxyphenyl)-cyclopentanone. <i>Journal of Organic Chemistry</i> , 2008, 73, 715-718.	3.2	24
64	An Efficient Synthesis of (Fluoromethyl)pyridylamines for Labeling with Fluorine-18. <i>Journal of Organic Chemistry</i> , 1999, 64, 8576-8581.	3.2	23
65	Synthesis and in vitro antibacterial activity of 3-[N-methyl-N-(3-methyl-1,3-thiazolium-2-yl)amino]methyl cephalosporin derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1143-1145.	2.2	23
66	Syntheses and biological evaluation of ¹⁸ F-labeled 3-(1-benzyl-piperidin-4-yl)-1-(1-methyl-1H-indol-3-yl)propan-1-ones for in vivo mapping of acetylcholinesterase. <i>Nuclear Medicine and Biology</i> , 2000, 27, 263-267.	0.6	23
67	Efficiency of Bulky Protic Solvent for S _N 2 Reaction. <i>Organic Letters</i> , 2008, 10, 61-64.	4.6	23
68	New triarylpyrazoles as broad-spectrum anticancer agents: Design, synthesis, and biological evaluation. <i>European Journal of Medicinal Chemistry</i> , 2013, 65, 315-322.	5.5	23
69	Early Detection of Aβ ² Deposition in the 5xFAD Mouse by Amyloid PET. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-7.	0.8	23
70	Syntheses and binding affinities of 6-nitroquipazine analogues for serotonin transporter. Part 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1559-1562.	2.2	22
71	Head-to-head comparison of ¹⁸ F-FP-CIT and ¹²³ I-FP-CIT for dopamine transporter imaging in patients with Parkinson's disease: A preliminary study. <i>Synapse</i> , 2018, 72, e22032.	1.2	22
72	Potential and Practical Adrenomedullary PET Radiopharmaceuticals as an Alternative tom-Iodobenzylguanidine: ¹⁸ F-Fluoroalkylbenzylguanidines. <i>Bioconjugate Chemistry</i> , 2004, 15, 104-111.	3.6	21

#	ARTICLE	IF	CITATIONS
73	Strapped-calix[4]pyrroles Bearing Acridine Moiety. <i>Supramolecular Chemistry</i> , 2007, 19, 271-275.	1.2	21
74	^{99m} Tc(CO) ₃ -15-[N-(Acetyloxy)-2-picolylamino]pentadecanoic Acid: A Potential Radiotracer for Evaluation of Fatty Acid Metabolism. <i>Bioconjugate Chemistry</i> , 2007, 18, 1332-1337.	3.6	21
75	Comparison of synthesis yields of 3- ² -deoxy-3- ² -[¹⁸ F]fluorothymidine by nucleophilic fluorination in various alcohol solvents. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2008, 51, 80-82.	1.0	21
76	Preparation of 3- ² -deoxy-3- ² -[¹⁸ F]fluorothymidine ([¹⁸ F]FLT) in ionic liquid, [bmim][OTf]. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2006, 49, 287-293.	1.0	20
77	Organocatalysis of nucleophilic substitution reactions by the combined effects of two promoters fused in a molecule: oligoethylene glycol substituted imidazolium salts. <i>Tetrahedron</i> , 2014, 70, 533-542.	1.9	20
78	Synthesis of N -unsubstituted 1,2,3-triazoles via aerobic oxidative N -dealkylation using copper(II) acetate. <i>Tetrahedron</i> , 2017, 73, 2878-2885.	1.9	20
79	Head-to-head comparison of ¹¹ C-PiB and ¹⁸ F-FC119S for A β imaging in healthy subjects, mild cognitive impairment patients, and Alzheimer's disease patients. <i>Medicine (United States)</i> , 2017, 96, e6441.	1.0	20
80	Crystal Structure of a Bis(amido)bis(thiolato)oxorhenium(V) Complex That Forms a Methanol-Solvated Salt with Calcium Extracted from Silica Gel. <i>Inorganic Chemistry</i> , 1995, 34, 1624-1625.	4.0	19
81	New automated synthesis of [¹⁸ F]FP-CIT with base amount control affording high and stable radiochemical yield: a 1.5-year production report. <i>Nuclear Medicine and Biology</i> , 2011, 38, 593-597.	0.6	19
82	Preparation of 7-Alkylamino-2-methylquinoline-5,8-diones. <i>Journal of Organic Chemistry</i> , 2002, 67, 5390-5393.	3.2	18
83	Novel one-pot one-step synthesis of 2- ² -[¹⁸ F]fluoroflumazenil (FFMZ) for benzodiazepine receptor imaging. <i>Nuclear Medicine and Biology</i> , 2003, 30, 521-527.	0.6	18
84	8-Cyclopentadienyltricarbonyl ^{99m} Tc 8-Oxo-octanoic Acid: A Novel Radiotracer for Evaluation of Medium Chain Fatty Acid Metabolism in the Liver. <i>Bioconjugate Chemistry</i> , 2004, 15, 121-127.	3.6	18
85	A New Efficient Synthesis of 6-Nitroquipazine. <i>Heterocycles</i> , 1998, 48, 2637.	0.7	18
86	Synthesis of radioiodine labeled dibenzyl disulfide for evaluation of tumor cell uptake. <i>Bioorganic and Medicinal Chemistry</i> , 2004, 12, 859-864.	3.0	17
87	PHOTOCYCLOADDITION OF 5,7-DIMETHOXYCOUMARIN TO TETRAMETHYLETHYLENE. <i>Chemistry Letters</i> , 1978, 7, 1229-1230.	1.3	16
88	Radiolabeling of paclitaxel with electrophilic ¹²³ I. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 65-68.	3.0	16
89	Simple preparation of 7-alkylamino-2-methylquinoline-5,8-diones: regiochemistry in nucleophilic substitution reactions of the 6- or 7-bromo-2-methylquinoline-5,8-dione with amines. <i>Tetrahedron</i> , 2004, 60, 4945-4951.	1.9	16
90	Electrophilic Aromatic Addition Reaction: Electrophilic Attack at an Aromatic H Substituent Position. <i>Journal of Organic Chemistry</i> , 2005, 70, 1222-1226.	3.2	16

#	ARTICLE	IF	CITATIONS
91	Synthesis and biodistribution of fluorine-18-labeled fluorocyclofenils for imaging the estrogen receptor. <i>Nuclear Medicine and Biology</i> , 2007, 34, 383-390.	0.6	16
92	Syntheses of tetrahydroisoquinoline derivatives that inhibit NO production in activated BV-2 microglial cells. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 1160-1170.	5.5	16
93	Ionic Polymer Supported Copper(I): A Reusable Catalyst for Huisgen's 1,3-Dipolar Cycloaddition. <i>Synlett</i> , 2008, 2008, 2326-2330.	1.8	16
94	Transition-Metal-Free Synthesis of 2-Substituted Methyl Benzo[<i>b</i>]furan-3-carboxylates. <i>Journal of Organic Chemistry</i> , 2015, 80, 8254-8261.	3.2	16
95	Syntheses and binding affinities of 6-nitroquipazine analogues for serotonin transporter. part 2: 4-Substituted 6-nitroquipazines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 811-815.	2.2	15
96	Synthesis of Tc-99m labeled glucosamino-Asp-cyclic(Arg-Gly-Asp-d-Phe-Lys) as a potential angiogenesis imaging agent. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 7755-7764.	3.0	15
97	A Mechanistic Study of SN2 Reaction in a Diol Solvent. <i>Journal of Physical Chemistry A</i> , 2009, 113, 3685-3689.	2.5	15
98	Alternative synthesis for the preparation of 16 α -[¹⁸ F]fluoroestradiol. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2013, 56, 619-626.	1.0	15
99	Synthesis and evaluation of 6-(3-[¹⁸ F]fluoro-2-hydroxypropyl)-substituted 2-pyridylbenzothiophenes and 2-pyridylbenzothiazoles as potential PET tracers for imaging A β plaques. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 2043-2052.	3.0	15
100	6 β -[¹⁸ F]Fluoroprogestosterone: Synthesis via halofluorination-oxidation, receptor binding and tissue distribution. <i>Nuclear Medicine and Biology</i> , 1995, 22, 635-642.	0.6	14
101	PHOTOCYCLOADDITION REACTION OF 5,7-DIMETHOXYCOUMARIN TO THYMIDINE. <i>Photochemistry and Photobiology</i> , 1981, 34, 177-182.	2.5	14
102	Syntheses and binding affinities of 6-nitroquipazine analogues for serotonin transporter: Part 3. \hat{A} Part 2. See ref 1. A potential 5-HT transporter imaging agent, 3-(3-[¹⁸ F]fluoropropyl)-6-nitroquipazine. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 4949-4958.	3.0	12
103	Syntheses of F-18 labeled fluoroalkyltyrosine derivatives and their biological evaluation in rat bearing 9L tumor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 200-204.	2.2	12
104	2-Acetyl-7-hydroxy-6-methoxy-1-methyl-1,2,3,4-tetrahydroisoquinoline exhibits anti-inflammatory properties and protects the nigral dopaminergic neurons. <i>European Journal of Pharmacology</i> , 2016, 771, 152-161.	3.5	12
105	Hydroacylation of 4-[¹⁸ F]fluorobenzaldehyde: a novel method for the preparation of 4'-[¹⁸ F]phenylketones. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2002, 45, 1045-1053.	1.0	11
106	Synthesis and evaluation of aryl-substituted diarylpropionitriles, selective ligands for estrogen receptor \hat{I} ² , as positron-emission tomographic imaging agents. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 3479-3488.	3.0	11
107	Facile ring-closure cyclization of arenes by nucleophilic C-alkylation reaction in ionic liquid. <i>Tetrahedron Letters</i> , 2010, 51, 54-56.	1.4	11
108	Nucleophilic substitution reactions promoted by oligoethylene glycols: a mechanistic study of ion-pair S _N 2 processes facilitated by Lewis base. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 9-14.	1.9	11

#	ARTICLE	IF	CITATIONS
109	A microdose clinical trial to evaluate [¹⁸ F]Florastamin as a positron emission tomography imaging agent in patients with prostate cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 95-102.	6.4	11
110	Biodistribution of N-alkyl and N-fluoroalkyl derivatives of spiroperidol; Radiopharmaceuticals for PET studies of dopamine receptors. <i>International Journal of Radiation Applications and Instrumentation Part B, Nuclear Medicine and Biology</i> , 1986, 13, 523-526.	0.3	10
111	Preliminary PET Study of ¹⁸ F-FC119S in Normal and Alzheimer's Disease Models. <i>Molecular Pharmaceutics</i> , 2017, 14, 3114-3120.	4.6	10
112	Bromo[¹⁸ F]fluorination of cyclohexenes: a method for the preparation of [¹⁸ F]fluorocyclohexanes. <i>Journal of Fluorine Chemistry</i> , 1995, 71, 143-147.	1.7	9
113	Re-evaluation of 3-bromopropyl triflate as the precursor in the preparation of 3-[¹⁸ F]fluoropropyl bromide. <i>Applied Radiation and Isotopes</i> , 1999, 51, 293-297.	1.5	9
114	Syntheses of NAMDA derivatives inhibiting NO production in BV-2 cells stimulated with lipopolysaccharide. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 3369-3373.	2.2	9
115	Electrophilic aromatic addition reaction (AdEAr) to anthracene. <i>Tetrahedron</i> , 2008, 64, 5666-5671.	1.9	9
116	An efficient synthesis of ([¹⁸ F]fluoropropyl)quinoline-5,8-diones by rapid radiofluorination—oxidative demethylation. <i>Tetrahedron</i> , 2011, 67, 1763-1767.	1.9	9
117	New synthetic method for benzofurans from 2-(cyanomethyl)phenyl derivatives. <i>Tetrahedron</i> , 2012, 68, 3942-3947.	1.9	9
118	The correlation of neuropsychological evaluation with ¹¹ C-PiB and ¹⁸ F-FC119S amyloid PET in mild cognitive impairment and Alzheimer disease. <i>Medicine (United States)</i> , 2020, 99, e19620.	1.0	9
119	Improving Theranostic Gallium-68/Lutetium-177 Labeled PSMA Inhibitors with an Albumin Binder for Prostate Cancer. <i>Molecular Cancer Therapeutics</i> , 2021, 20, 2410-2419.	4.1	9
120	¹⁸ F-labeled 1,2,3-triazole-linked Glu-Cys-based PSMA ligands have good pharmacokinetic properties for positron emission tomography imaging of prostate cancer. <i>Prostate</i> , 2020, 80, 1383-1393.	2.3	8
121	Syntheses and binding affinities of 6-nitroquipazine analogues for serotonin transporter. Part 4: 3-Alkyl-4-halo-6-nitroquipazines. <i>Bioorganic and Medicinal Chemistry</i> , 2005, 13, 4952-4959.	3.0	7
122	Short Communication: Synthesis and Biologic Evaluation of I-123-Labeled Porphyrin Derivative as a Potential Tumor-Imaging Agent. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2007, 22, 853-862.	1.0	7
123	Selective addition reactions of difluoromethyltriazoles to ketones and aldehydes without the formation of difluorocarbene. <i>Tetrahedron</i> , 2020, 76, 131370.	1.9	7
124	New Efficient Syntheses of 6,7-Dibromoquinoline-5,8-diones. <i>Heterocycles</i> , 1998, 48, 2647.	0.7	6
125	Direct Fluorination Strategy for the Synthesis of Fluorine-18 Labeled Oligopeptide [¹⁸ F]-ApoPep. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 1161-1166.	1.9	6
126	Evaluating N-difluoromethyltriazolium triflate as a precursor for the synthesis of high molar activity [¹⁸ F]fluoroform. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2021, 64, 466-476.	1.0	5

#	ARTICLE	IF	CITATIONS
127	Acetonitrile-Mediated Synthesis of 2,4-Dichloroquinoline from 2-Ethynylaniline and 2,4-Dichloroquinazoline from Anthranilonitrile. <i>Synlett</i> , 2006, 2006, 0065-0068.	1.8	4
128	Synthesis of novel phytosphingosine derivatives and their preliminary biological evaluation for enhancing radiation therapy. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6643-6646.	2.2	4
129	Synthesis and Evaluation of a ¹⁸ F-Labeled 4-Ipomeanol as an Imaging Agent for CYP4B1 Gene Prodrug Activation Therapy. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2013, 28, 588-597.	1.0	4
130	Versatile functionalization of electron rich-fused heterocyclic arenes via electrophilic aromatic addition reaction and their applications. <i>Tetrahedron</i> , 2016, 72, 5106-5114.	1.9	4
131	Synthesis of aliphatic α -ketoamides from α -substituted methyl ketones via a Cu-catalyzed aerobic oxidative amidation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 4320-4326.	2.8	4
132	Off-target screening of amyloid β plaque targeting [¹⁸ F]florapronol ([¹⁸ F]FC119S) in postmortem Alzheimer's disease tissues. <i>Bulletin of the Korean Chemical Society</i> , 2022, 43, 859-867.	1.9	4
133	Synthesis and binding affinities of 2-(3-iodoallyloxycarbonyl)-3-(4-substituted-aryl)tropane analogues as ligands for the dopamine transporter studies. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 3077-3080.	2.2	3
134	Mechanistic study of nucleophilic fluorination for the synthesis of fluorine-18 labeled fluoroform with high molar activity from <i>N</i> -difluoromethyltriazolium triflate. <i>RSC Advances</i> , 2021, 11, 6099-6106.	3.6	3
135	Syntheses and binding affinities of 6-nitroquipazine analogues for serotonin transporter. Part 5: 2-Substituted 6-nitroquipazines. <i>Bioorganic and Medicinal Chemistry</i> , 2007, 15, 3499-3504.	3.0	2
136	AETIQ: A Novel Synthetic Compound with Anti-inflammatory Properties in Activated Microglia. <i>Inflammation</i> , 2014, 37, 766-774.	3.8	2
137	Clinical Usefulness of ¹⁸ F-FC119S Positron-Emission Tomography as an Auxiliary Diagnostic Method for Dementia: An Open-Label, Single-Dose, Evaluator-Blind Clinical Trial. <i>Journal of Clinical Neurology</i>		