

# Behrooz Hooshyar Yousefi

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

1,729  
citations

331670

21  
h-index

276875

41  
g-index

46  
all docs

46  
docs citations

46  
times ranked

2875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Rapid microwave-assisted solution phase synthesis of substituted 2-pyridone libraries. <i>Tetrahedron</i> , 2004, 60, 8633-8644.	1.9	173
2	Scalability of Microwave-Assisted Organic Synthesis. From Single-Mode to Multimode Parallel Batch Reactors. <i>Organic Process Research and Development</i> , 2003, 7, 707-716.	2.7	158
3	White matter hyperintensities predict amyloid increase in Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 2766-2773.	3.1	115
4	Progression of Cerebral Amyloid Load Is Associated with the Apolipoprotein E $\epsilon$ 4 Genotype in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2010, 68, 879-884.	1.3	103
5	Small-Animal PET Imaging of Amyloid-Beta Plaques with [ <sup>11</sup> C]PiB and Its Multi-Modal Validation in an APP/PS1 Mouse Model of Alzheimer's Disease. <i>PLoS ONE</i> , 2012, 7, e31310.	2.5	102
6	Regional Expansion of Hypometabolism in Alzheimer's Disease Follows Amyloid Deposition with Temporal Delay. <i>Biological Psychiatry</i> , 2012, 71, 792-797.	1.3	96
7	Metabolically Stabilized Benzothiazoles for Imaging of Amyloid Plaques. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1087-1089.	6.4	74
8	Synthesis and Evaluation of <sup>11</sup> C-Labeled Imidazo[2,1- <i>b</i> ]benzothiazoles (IBTs) as PET Tracers for Imaging $\beta$ -Amyloid Plaques in Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 949-956.	6.4	68
9	PET Radiopharmaceuticals for Alzheimer's Disease and Parkinson's Disease Diagnosis, the Current and Future Landscape. <i>Molecules</i> , 2020, 25, 977.	3.8	68
10	Development and evaluation of compounds for imaging of $\beta$ -amyloid plaque by means of positron emission tomography. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2008, 35, 75-81.	6.4	54
11	A Novel <sup>18</sup> F-Labeled Imidazo[2,1- <i>b</i> ]benzothiazole (IBT) for High-Contrast PET Imaging of $\beta$ -Amyloid Plaques. <i>ACS Medicinal Chemistry Letters</i> , 2011, 2, 673-677.	2.8	53
12	Solubility Prediction of Drugs in Mixed Solvents Using Partial Solubility Parameters. <i>Journal of Pharmaceutical Sciences</i> , 2011, 100, 4368-4382.	3.3	53
13	Based on the Network Degeneration Hypothesis: Separating Individual Patients with Different Neurodegenerative Syndromes in a Preliminary Hybrid PET/MR Study. <i>Journal of Nuclear Medicine</i> , 2016, 57, 410-415.	5.0	50
14	Prefrontal Hypometabolism in Alzheimer Disease Is Related to Longitudinal Amyloid Accumulation in Remote Brain Regions. <i>Journal of Nuclear Medicine</i> , 2015, 56, 399-404.	5.0	49
15	Quantitative longitudinal interrelationships between brain metabolism and amyloid deposition during a 2-year follow-up in patients with early Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1927-1936.	6.4	39
16	Assessment of the <sup>18</sup> F-Labeled PET Tracer LMI1195 for Imaging Norepinephrine Handling in Rat Hearts. <i>Journal of Nuclear Medicine</i> , 2013, 54, 1142-1146.	5.0	38
17	FIBT versus florbetaben and PiB: a preclinical comparison study with amyloid-PET in transgenic mice. <i>EJNMMI Research</i> , 2015, 5, 20.	2.5	36
18	Efficient synthesis of 1,5-benzodiazepines catalyzed by silica supported 12-tungstophosphoric acid. <i>Catalysis Communications</i> , 2008, 9, 2496-2502.	3.3	34

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19	Synthesis and preclinical evaluation of novel <sup>18</sup> F-labeled Glu-urea-Glu-based PSMA inhibitors for prostate cancer imaging: a comparison with <sup>18</sup> F-DCFPyl and <sup>18</sup> F-PSMA-1007. <i>EJNMMI Research</i> , 2018, 8, 30.	2.5	33
20	TMSCl-promoted selective oxidation of sulfides to sulfoxides with hydrogen peroxide. <i>Tetrahedron Letters</i> , 2010, 51, 6939-6941.	1.4	31
21	In Alzheimer's Disease, Hypometabolism in Low-Amyloid Brain Regions May Be a Functional Consequence of Pathologies in Connected Brain Regions. <i>Brain Connectivity</i> , 2014, 4, 371-383.	1.7	28
22	Synthesis of polysubstituted pyridines via reactions of chalcones and malononitrile in alcohols using Amberlite IRA-400 (OH <sup>-</sup> ). <i>Tetrahedron Letters</i> , 2013, 54, 5293-5298.	1.4	22
23	Characterization and First Human Investigation of FIBT, a Novel Fluorinated A $\beta$ 2 Plaque Neuroimaging PET Radioligand. <i>ACS Chemical Neuroscience</i> , 2015, 6, 428-437.	3.5	20
24	Preclinical Evaluation of <sup>18</sup> F-LMI1195 for In Vivo Imaging of Pheochromocytoma in the MENX Tumor Model. <i>Journal of Nuclear Medicine</i> , 2013, 54, 2111-2117.	5.0	19
25	A quantitative structure property relationship study of electrophoretic mobility of analytes in capillary zone electrophoresis. <i>Computational Biology and Chemistry</i> , 2003, 27, 297-303.	2.3	18
26	Myocardial Kinetics of a Novel [ <sup>18</sup> F]-Labeled Sympathetic Nerve PET Tracer LMI1195 in the Isolated Perfused Rabbit Heart. <i>JACC: Cardiovascular Imaging</i> , 2015, 8, 1229-1231.	5.3	17
27	Small Vessel Disease, but Neither Amyloid Load nor Metabolic Deficit, Is Dependent on Age at Onset in Alzheimer's Disease. <i>Biological Psychiatry</i> , 2015, 77, 704-710.	1.3	17
28	Comparison of <sup>18</sup> F-T807 and <sup>18</sup> F-THK5117 PET in a Mouse Model of Tau Pathology. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 174.	3.4	17
29	Synthesis and Evaluation of a Full-Agonist Orvinol for PET-Imaging of Opioid Receptors: [ <sup>11</sup> C]PEO. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 5586-5589.	6.4	16
30	Voxel-Based Analysis of Amyloid-Burden Measured with [ <sup>11</sup> C]PiB PET in a Double Transgenic Mouse Model of Alzheimer's Disease. <i>Molecular Imaging and Biology</i> , 2013, 15, 576-584.	2.6	16
31	LRP-1 polymorphism is associated with global and regional amyloid load in Alzheimer's disease in humans in-vivo. <i>NeuroImage: Clinical</i> , 2014, 4, 411-416.	2.7	15
32	Targeting PI3K/mTOR signaling exerts potent antitumor activity in pheochromocytoma in vivo. <i>Endocrine-Related Cancer</i> , 2017, 24, 1-15.	3.1	14
33	<sup>18</sup> F-FIBT may expand PET for $\beta$ 2-amyloid imaging in neurodegenerative diseases. <i>Molecular Psychiatry</i> , 2020, 25, 2608-2619.	7.9	13
34	TiCl <sub>4</sub> -promoted desulfurization of thiocarbonyls and oxidation of sulfides in the presence of H <sub>2</sub> O <sub>2</sub> . <i>Journal of Sulfur Chemistry</i> , 2012, 33, 155-163.	2.0	12
35	Rapid and Efficient Synthesis of Imidazolines and Bisimidazolines Under Microwave and Ultrasonic Irradiation. <i>Monatshfte für Chemie</i> , 2007, 138, 579-583.	1.8	11
36	Mapping the Binding Interface of PET Tracer Molecules and Alzheimer Disease A $\beta$ 2 Fibrils by Using MAS Solid-State NMR Spectroscopy. <i>ChemBioChem</i> , 2020, 21, 2495-2502.	2.6	11

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37	Cerebrospinal Fluid BACE1 Activity and Brain Amyloid Load in Alzheimer's Disease. Scientific World Journal, The, 2012, 2012, 1-6.	2.1	10
38	Development of an improved radioiodinated 2-phenylimidazo[1,2-a]pyridine for non-invasive imaging of amyloid plaques. MedChemComm, 2012, 3, 775.	3.4	9
39	Clinical Relevance of [18F]Florbetaben and [18F]FDG PET/CT Imaging on the Management of Patients with Dementia. Molecules, 2021, 26, 1282.	3.8	5
40	Toward Novel [18F]Fluorine-Labeled Radiotracers for the Imaging of $\alpha$ -Synuclein Fibrils. Frontiers in Aging Neuroscience, 2022, 14, 830704.	3.4	5
41	Adventures In Microwave-assisted Organic Synthesis: Contributions From The Kappe Laboratory 2000â€“2005. NATO Science Series Series II, Mathematics, Physics and Chemistry, 2008, , 225-251.	0.1	3
42	Efficient Synthesis and Theoretical Study of Siloxy-Benzocyclooctenes: 7,8-Bis-trimethylsilyloxy-5,6,9,10-tetrahydro-benzocyclooctene and 6,9-Dimethyl-7,8-bis-trimethylsilyloxy-5,6,9,10-tetrahydro-benzocyclooctene-6,9-dicarboxylic Acid Diethyl Ester. Tetrahedron, 2000, 56, 8301-8308.	1.9	2
43	4,4'-Diethylaminoethoxyhexestrol dihydrochloride. MolBank, 2006, 2006, M511.	0.5	1
44	O2-11-01: Characterization of [F-18]FIBT, a highly selective and specific PET imaging agent for beta-amyloid plaques. , 2013, 9, P336-P337.		0