

Matteo Zanda

List of Publications by Year in descending order

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39
papers

954
citations

516710

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h-index

454955

30
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all docs

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docs citations

40
times ranked

1536
citing authors

#	ARTICLE	IF	CITATIONS
1	Recognition of DHN-melanin by a C-type lectin receptor is required for immunity to <i>Aspergillus</i> . <i>Nature</i> , 2018, 555, 382-386.	27.8	157
2	A Cannabinoid CB1 Receptor-Positive Allosteric Modulator Reduces Neuropathic Pain in the Mouse with No Psychoactive Effects. <i>Neuropsychopharmacology</i> , 2015, 40, 2948-2959.	5.4	129
3	Development of Novel ADCs: Conjugation of Tubulysin Analogues to Trastuzumab Monitored by Dual Radiolabeling. <i>Cancer Research</i> , 2014, 74, 5700-5710.	0.9	69
4	Total Synthesis of Tubulysins U and V. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 3526-3529.	13.8	67
5	The Trifluoromethyl Group as a Bioisosteric Replacement of the Aliphatic Nitro Group in CB ₁ Receptor Positive Allosteric Modulators. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 5049-5062.	6.4	51
6	The pentafluorosulfanyl group in cannabinoid receptor ligands: synthesis and comparison with trifluoromethyl and tert-butyl analogues. <i>RSC Advances</i> , 2014, 4, 20164-20176.	3.6	42
7	[¹⁸ F]-5-Fluoro-5-deoxyribose, an efficient peptide bioconjugation ligand for positron emission tomography (PET) imaging. <i>Chemical Communications</i> , 2012, 48, 5247.	4.1	39
8	Efficient bioconjugation of 5-fluoro-5-deoxy-ribose (FDR) to RGD peptides for positron emission tomography (PET) imaging of $\alpha_5\beta_3$ integrin receptor. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4551.	2.8	32
9	Synthesis and structure-activity relationship studies of novel tubulysin U analogues effect on cytotoxicity of structural variations in the tubuvaline fragment. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 2273.	2.8	31
10	PET Tracers To Study Clinically Relevant Hepatic Transporters. <i>Molecular Pharmaceutics</i> , 2015, 12, 2203-2216.	4.6	31
11	Tumour imaging by Positron Emission Tomography using fluorinase generated 5-[¹⁸ F]fluoro-5-deoxyribose as a novel tracer. <i>Nuclear Medicine and Biology</i> , 2013, 40, 464-470.	0.6	27
12	Last-Step Enzymatic [¹⁸ F]Fluorination of Cysteine-Ethered RGD Peptides Using Modified Barbas Linkers. <i>Chemistry - A European Journal</i> , 2016, 22, 10998-11004.	3.3	25
13	Hypoxia stimulates ¹⁸ F-Fluorodeoxyglucose uptake in breast cancer cells via Hypoxia inducible Factor-1 and AMP-activated protein kinase. <i>Nuclear Medicine and Biology</i> , 2013, 40, 858-864.	0.6	22
14	Design, synthesis, in vitro characterization and preliminary imaging studies on fluorinated bile acid derivatives as PET tracers to study hepatic transporters. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 963-976.	3.0	18
15	Synthesis and cytotoxicity evaluation of diastereoisomers and N-terminal analogues of tubulysin-U. <i>Tetrahedron Letters</i> , 2013, 54, 6137-6141.	1.4	16
16	Binding of $\alpha_5\beta_3$ Integrin-Specific Radiotracers Is Modulated by Both Integrin Expression Level and Activation Status. <i>Molecular Imaging and Biology</i> , 2018, 20, 27-36.	2.6	15
17	High-Affinity Click-RGD Peptidomimetics as Radiolabeled Probes for Imaging $\alpha_5\beta_3$ Integrin. <i>ChemMedChem</i> , 2017, 12, 1142-1151.	3.2	13
18	A New Class of Fluorinated Adenosine Receptor Agonist with Application to Last-Step Enzymatic [¹⁸ F]Fluorination for PET Imaging. <i>ChemBioChem</i> , 2017, 18, 2156-2164.	2.6	12

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19	Enzymatic Fluorination of Biotin and Tetrazine Conjugates for Pretargeting Approaches to Positron Emission Tomography Imaging. <i>ChemBioChem</i> , 2018, 19, 1969-1978.	2.6	12
20	Enzymatic radiosynthesis of a ¹⁸ F-Glu-Ureido-Lys ligand for the prostate-specific membrane antigen (PSMA). <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1480-1486.	2.8	12
21	Linear Trifluoroethylamine RGD Peptidomimetics: Stereoselective Synthesis and Integrin $\alpha_5\beta_3$ Affinity. <i>Synlett</i> , 2012, 23, 2899-2902.	1.8	11
22	The tubulysin analogue KEMTUB10 induces apoptosis in breast cancer cells via p53, Bim and Bcl-2. <i>Journal of Cancer Research and Clinical Oncology</i> , 2015, 141, 1575-1583.	2.5	11
23	Synthesis and hyperpolarisation of eNOS substrates for quantification of NO production by 1 H NMR spectroscopy. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 2730-2742.	3.0	11
24	Synthesis and Superpotent Anticancer Activity of Tubulysins Carrying Non-hydrolysable N-Substituents on Tubuvaline. <i>Chemistry - A European Journal</i> , 2017, 23, 5842-5850.	3.3	9
25	Asymmetric Synthesis and Absolute Configuration of (+)- and (–)-Perhexiline. <i>Synthesis</i> , 2015, 48, 73-78.	2.3	8
26	4-Cyano-5-(2-thiophenyl)-pyrazoles are high affinity CB1 receptor ligands. <i>RSC Advances</i> , 2015, 5, 13692-13701.	3.6	8
27	Development of Fluorinated Analogues of Perhexiline with Improved Pharmacokinetic Properties and Retained Efficacy. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2780-2789.	6.4	7
28	Highly Strained Unsaturated Carbocycles. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 5278-5291.	2.4	7
29	A critical review of both the synthesis approach and the receptor profile of the 8-chloro-1-(2,4-dichlorophenyl)-N-piperidin-1-yl-1,4,5,6-tetrahydrobenzo[6,7]cyclohepta[1,2-c]pyrazole-3-carboxamide and analogue derivatives. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 194-208.	6.0	7
30	Synthesis, radio-synthesis and in vitro evaluation of terminally fluorinated derivatives of HU-210 and HU-211 as novel candidate PET tracers. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 2086-2096.	2.8	6
31	Design, Synthesis, Conjugation, and Reactivity of Novel <i>trans,trans</i> -1,5-Cyclooctadiene-Derived Bioorthogonal Linkers. <i>Bioconjugate Chemistry</i> , 2020, 31, 2201-2210.	3.6	6
32	[¹⁸ F]ZCDD083: A PFKFB3-Targeted PET Tracer for Atherosclerotic Plaque Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 933-939.	2.8	6
33	Multifunctional Deuterated and Tritiated α -Click™ Molecular Probes via \hat{A} Palladium-Mediated Reductive Deiodination of 5-Iodo-1,2,3-Triazoles. <i>Synlett</i> , 2014, 25, 1019-1025.	1.8	5
34	Synthesis of the Fungal Metabolite YWA1 and Related Constructs as Tools to Study MelLec-Mediated Immune Response to <i>Aspergillus</i> Infections. <i>Journal of Organic Chemistry</i> , 2021, 86, 6044-6055.	3.2	3
35	Design, Synthesis, Radiosynthesis and Biological Evaluation of Fenretinide Analogues as Anticancer and Metabolic Syndrome-Preventive Agents. <i>ChemMedChem</i> , 2020, 15, 1579-1590.	3.2	2
36	Preclinical Evaluation of [¹⁸ F]LCATD as a PET Tracer to Study Drug-Drug Interactions Caused by Inhibition of Hepatic Transporters. <i>Contrast Media and Molecular Imaging</i> , 2018, 2018, 1-10.	0.8	1

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37	A Weakened Immune Response to Synthetic Exo-Peptides Predicts a Potential Biosecurity Risk in the Retrieval of Exo-Microorganisms. <i>Microorganisms</i> , 2020, 8, 1066.	3.6	1
38	Synthesis, Radiosynthesis, and in vitro Studies on Novel Hypoxia PET Tracers Incorporating [18 F]FDR. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1429-1439.	2.4	1
39	4,4,16-Trifluoropalmitate: Design, Synthesis, Tritiation, Radiofluorination and Preclinical PET Imaging Studies on Myocardial Fatty Acid Oxidation. <i>ChemMedChem</i> , 2020, 15, 2317-2331.	3.2	0