

Vincent Setola

List of Publications by Year in descending order

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55
papers

5,283
citations

172457

29
h-index

168389

53
g-index

66
all docs

66
docs citations

66
times ranked

7574
citing authors

#	ARTICLE	IF	CITATIONS
1	Predicting new molecular targets for known drugs. <i>Nature</i> , 2009, 462, 175-181.	27.8	1,474
2	Automated design of ligands to polypharmacological profiles. <i>Nature</i> , 2012, 492, 215-220.	27.8	698
3	Discovery of β -Arrestin ² -Biased Dopamine D ₂ Ligands for Probing Signal Transduction Pathways Essential for Antipsychotic Efficacy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 18488-18493.	7.1	312
4	3,4-Methylenedioxymethamphetamine (MDMA, "Ecstasy") Induces Fenfluramine-Like Proliferative Actions on Human Cardiac Valvular Interstitial Cells in Vitro. <i>Molecular Pharmacology</i> , 2003, 63, 1223-1229.	2.3	263
5	Serotonin receptors and heart valve disease "It was meant 2B. ", 2011, 132, 146-157.		175
6	Evidence for the Involvement of Dopamine Transporters in Behavioral Stimulant Effects of Modafinil. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2009, 329, 738-746.	2.5	169
7	Identifying mechanism-of-action targets for drugs and probes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 11178-11183.	7.1	156
8	Neurochemical profiles of some novel psychoactive substances. <i>European Journal of Pharmacology</i> , 2013, 700, 147-151.	3.5	150
9	Serotonin 5-HT _{2B} Receptors Are Required for 3,4-Methylenedioxymethamphetamine-Induced Hyperlocomotion and 5-HT Release <i>In Vivo</i> and <i>In Vitro</i> . <i>Journal of Neuroscience</i> , 2008, 28, 2933-2940.	3.6	136
10	The Ketamine Analogue Methoxetamine and 3- and 4-Methoxy Analogues of Phencyclidine Are High Affinity and Selective Ligands for the Glutamate NMDA Receptor. <i>PLoS ONE</i> , 2013, 8, e59334.	2.5	132
11	Parallel Functional Activity Profiling Reveals Valvulopathogens Are Potent 5-Hydroxytryptamine _{2B} Receptor Agonists: Implications for Drug Safety Assessment. <i>Molecular Pharmacology</i> , 2009, 76, 710-722.	2.3	125
12	Structure-Functional Selectivity Relationship Studies of β -Arrestin-Biased Dopamine D ₂ Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7141-7153.	6.4	118
13	Chemical informatics and target identification in a zebrafish phenotypic screen. <i>Nature Chemical Biology</i> , 2012, 8, 144-146.	8.0	113
14	Serotonin and Angiotensin Receptors in Cardiac Fibroblasts Coregulate Adrenergic-Dependent Cardiac Hypertrophy. <i>Circulation Research</i> , 2009, 104, 113-123.	4.5	107
15	5-HT _{2B} antagonism arrests non-canonical TGF- β 1-induced valvular myofibroblast differentiation. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 707-714.	1.9	92
16	Exome Sequencing in 53 Sporadic Cases of Schizophrenia Identifies 18 Putative Candidate Genes. <i>PLoS ONE</i> , 2014, 9, e112745.	2.5	79
17	Design, Synthesis, and Validation of a β -Turn Mimetic Library Targeting Protein-Protein and Peptide-Receptor Interactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 10184-10194.	13.7	74
18	Molecular Determinants for the Interaction of the Valvulopathic Anorexigen Norfenfluramine with the 5-HT _{2B} Receptor. <i>Molecular Pharmacology</i> , 2005, 68, 20-33.	2.3	73

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19	Identification of Human <i>Ether-Å-go-go</i> Related Gene Modulators by Three Screening Platforms in an Academic Drug-Discovery Setting. <i>Assay and Drug Development Technologies</i> , 2010, 8, 727-742.	1.2	67
20	The Presynaptic Component of the Serotonergic System is Required for Clozapine's Efficacy. <i>Neuropsychopharmacology</i> , 2011, 36, 638-651.	5.4	63
21	Structural Determinants of G-protein $\hat{\pm}$ Subunit Selectivity by Regulator of G-protein Signaling 2 (RGS2). <i>Journal of Biological Chemistry</i> , 2009, 284, 19402-19411.	3.4	62
22	1,2,3,4-Tetrahydrocarbazoles as 5-HT ₆ serotonin receptor ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 1961-1964.	2.2	46
23	Screening the receptorome reveals molecular targets responsible for drug-induced side effects: focus on $\hat{\pm}$ phen $\hat{\pm}$ ™. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2005, 1, 377-387.	3.3	39
24	Identification and Validation of Small Molecules That Enhance Recombinant Adeno-associated Virus Transduction following High-Throughput Screens. <i>Journal of Virology</i> , 2016, 90, 7019-7031.	3.4	39
25	Development, Validation, and Use of Quantitative Structure $\hat{\pm}$ Activity Relationship Models of 5-Hydroxytryptamine (2B) Receptor Ligands to Identify Novel Receptor Binders and Putative Valvulopathic Compounds among Common Drugs. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 7573-7586.	6.4	38
26	An analysis of the synthetic tryptamines AMT and 5-MeO-DALT: Emerging $\hat{\pm}$ Novel Psychoactive Drugs $\hat{\pm}$ ™. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3411-3415.	2.2	36
27	Why Mice Are Neither Miniature Humans nor Small Rats: A Cautionary Tale Involving 5-Hydroxytryptamine-6 Serotonin Receptor Species Variants: Fig. 1.. <i>Molecular Pharmacology</i> , 2003, 64, 1277-1278.	2.3	35
28	Preclinical Testing of Nalfurafine as an Opioid-sparing Adjuvant that Potentiates Analgesia by the Mu Opioid Receptor-targeting Agonist Morphine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2019, 371, 487-499.	2.5	35
29	Multi-receptor drug design: Haloperidol as a scaffold for the design and synthesis of atypical antipsychotic agents. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1291-1297.	3.0	32
30	N1-Benzenesulfonylgramine and N1-benzenesulfonylskatole: novel 5-HT ₆ receptor ligand templates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3355-3359.	2.2	31
31	Role of the N-Terminal Region in G Protein $\hat{\pm}$ Coupled Receptor Functions: Negative Modulation Revealed by 5-HT _{2B} Receptor Polymorphisms. <i>Molecular Pharmacology</i> , 2014, 85, 127-138.	2.3	27
32	Bis-spirolabdane Diterpenoids from <i>Leonotis nepetaefolia</i> . <i>Journal of Natural Products</i> , 2012, 75, 728-734.	3.0	25
33	Single Nucleotide Polymorphisms in Chemosensory Pathway Genes GNB3, TAS2R19, and TAS2R38 Are Associated with Chronic Rhinosinusitis. <i>International Archives of Allergy and Immunology</i> , 2019, 180, 72-78.	2.1	25
34	Identification of a new selective dopamine D4 receptor ligand. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3105-3114.	3.0	24
35	Benzothiazoles as probes for the 5HT _{1A} receptor and the serotonin transporter (SERT): A search for new dual-acting agents as potential antidepressants. <i>European Journal of Medicinal Chemistry</i> , 2012, 53, 124-132.	5.5	23
36	Structure $\hat{\pm}$ activity relationship studies of SYA 013, a homopiperazine analog of haloperidol. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 1671-1678.	3.0	23

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37	<i>N</i> -Alkyl-octahydroisoquinolin-1-one-8-carboxamides: Selective and Nonbasic $\hat{\mu}$ -Opioid Receptor Ligands. <i>ACS Medicinal Chemistry Letters</i> , 2010, 1, 189-193.	2.8	22
38	Michael acceptor approach to the design of new salvinorin A-based high affinity ligands for the kappa-opioid receptor. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 818-829.	5.5	21
39	Regulator of G protein signaling-12 modulates the dopamine transporter in ventral striatum and locomotor responses to psychostimulants. <i>Journal of Psychopharmacology</i> , 2018, 32, 191-203.	4.0	15
40	Role of RGS12 in the differential regulation of kappa opioid receptor-dependent signaling and behavior. <i>Neuropsychopharmacology</i> , 2019, 44, 1728-1741.	5.4	15
41	Synthesis and evaluation of ligands for D2-like receptors: The role of common pharmacophoric groups. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1716-1723.	3.0	13
42	Further evaluation of the tropane analogs of haloperidol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4294-4297.	2.2	13
43	A role for Regulator of G protein Signaling-12 (RGS12) in the balance between myoblast proliferation and differentiation. <i>PLoS ONE</i> , 2019, 14, e0216167.	2.5	10
44	N-Tetrahydrothiochromenoisoxazole-1-carboxamides as selective antagonists of cloned human 5-HT2B. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 5488-5490.	2.2	8
45	Preclinical Studies on Nalfurafine (TRK-820), a Clinically Used KOR Agonist. <i>Handbook of Experimental Pharmacology</i> , 2021, 271, 137-162.	1.8	8
46	5-ZATRYPTAMINE ANALOGS AS h5-HT6 SEROTONIN RECEPTOR LIGANDS. <i>Medicinal Chemistry Research</i> , 2005, 14, 1-18.	2.4	7
47	RGS21, a regulator of taste and mucociliary clearance?. <i>Laryngoscope</i> , 2014, 124, E56-63.	2.0	7
48	Development of Full Sweet, Umami, and Bitter Taste Responsiveness Requires Regulator of G protein Signaling-21 (RGS21). <i>Chemical Senses</i> , 2018, 43, 367-378.	2.0	7
49	Four single nucleotide polymorphisms in genes involved in neuronal signaling are associated with opioid use disorder in West Virginia. <i>Journal of Opioid Management</i> , 2019, 15, 103-109.	0.5	4
50	Genetic deletion of <i>Rgs12</i> in mice affects serotonin transporter expression and function <i>in vivo</i> and <i>ex vivo</i> . <i>Journal of Psychopharmacology</i> , 2020, 34, 1393-1407.	4.0	2
51	Antagonism of the 5-HT2B receptor prevents TGF β 1 effects in aortic valve fibroblasts. <i>FASEB Journal</i> , 2011, 25, 177.5.	0.5	2
52	1,2,3,4-Tetrahydrocarbazoles as 5-HT6 Serotonin Receptor Ligands.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
53	GPSM3 as a Therapeutic Target for Rheumatoid Arthritis. <i>FASEB Journal</i> , 2015, 29, .	0.5	0
54	The Biased Kappa Opioid Receptor Agonist Nalfurafine Reduces the Reinforcing Properties of Oxycodone and Enhances Oxycodone-Induced Spinal Anti-Nociception. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0

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55	The Emergence of 5-HT _{2B} Receptors as Targets to Avoid in Designing and Refining Pharmaceuticals. , 2006, , 419-438.		0