

Boulouard Michel

List of Publications by Year in descending order

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88
papers

4,022
citations

147566

31
h-index

128067

60
g-index

89
all docs

89
docs citations

89
times ranked

6546
citing authors

#	ARTICLE	IF	CITATIONS
1	Object recognition test in mice. <i>Nature Protocols</i> , 2013, 8, 2531-2537.	5.5	854
2	The adhesive removal test: a sensitive method to assess sensorimotor deficits in mice. <i>Nature Protocols</i> , 2009, 4, 1560-1564.	5.5	371
3	Sensorimotor and cognitive deficits after transient middle cerebral artery occlusion in the mouse. <i>Experimental Neurology</i> , 2007, 203, 555-567.	2.0	250
4	Delayed administration of deferoxamine reduces brain damage and promotes functional recovery after transient focal cerebral ischemia in the rat. <i>European Journal of Neuroscience</i> , 2006, 23, 1757-1765.	1.2	107
5	Behavioral deficits after distal focal cerebral ischemia in mice: Usefulness of adhesive removal test.. <i>Behavioral Neuroscience</i> , 2009, 123, 224-230.	0.6	100
6	Novel Multitarget-Directed Ligands (MTDLs) with Acetylcholinesterase (AChE) Inhibitory and Serotonergic Subtype 4 Receptor (5-HT ₄ R) Agonist Activities As Potential Agents against Alzheimer's Disease: The Design of Donecopride. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 3172-3187.	2.9	100
7	Influence of vestibular input on spatial and nonspatial memory and on hippocampal NMDA receptors. <i>Hippocampus</i> , 2012, 22, 814-826.	0.9	96
8	Design of donecopride, a dual serotonin subtype 4 receptor agonist/acetylcholinesterase inhibitor with potential interest for Alzheimer's disease treatment. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3825-30.	3.3	96
9	RS 67333 and D-cycloserine accelerate learning acquisition in the rat. <i>Neuropharmacology</i> , 2001, 41, 517-522.	2.0	93
10	Delayed Hypoxic Postconditioning Protects Against Cerebral Ischemia in the Mouse. <i>Stroke</i> , 2009, 40, 3349-3355.	1.0	92
11	Environmental Enrichment Duration Differentially Affects Behavior and Neuroplasticity in Adult Mice. <i>Cerebral Cortex</i> , 2015, 25, 4048-4061.	1.6	92
12	Therapeutic Potential of 5-HT ₆ Receptor Agonists. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7901-7912.	2.9	72
13	Anti-NR1 N-terminal-domain vaccination unmasks the crucial action of tPA on NMDA-receptor-mediated toxicity and spatial memory. <i>Journal of Cell Science</i> , 2007, 120, 578-585.	1.2	66
14	Effects of perinatal exposure to waterborne fluoxetine on memory processing in the cuttlefish <i>Sepia officinalis</i> . <i>Aquatic Toxicology</i> , 2013, 132-133, 84-91.	1.9	64
15	Long-term functional outcome following transient middle cerebral artery occlusion in the rat: Correlation between brain damage and behavioral impairment.. <i>Behavioral Neuroscience</i> , 2006, 120, 1285-1298.	0.6	62
16	Comparison of the effects of erythropoietin and its carbamylated derivative on behaviour and hippocampal neurogenesis in mice. <i>Neuropharmacology</i> , 2011, 60, 354-364.	2.0	58
17	Continuous enriched environment improves learning and memory in adult NMRI mice through theta burst-related-LTP independent mechanisms but is not efficient in advanced aged animals. <i>Mechanisms of Ageing and Development</i> , 2011, 132, 240-248.	2.2	51
18	Inhibition of neuronal nitric oxide synthase by 7-methoxyindazole and related substituted indazoles. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1153-1156.	1.0	50

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19	BIMU 1 and RS 67333, two 5-HT ₄ receptor agonists, modulate spontaneous alternation deficits induced by scopolamine in the mouse. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2003, 367, 621-628.	1.4	50
20	New Benzo[h][1,6]naphthyridine and Azepino[3,2-c]quinoline Derivatives as Selective Antagonists of 5-HT ₄ Receptors: A Binding Profile and Pharmacological Characterization. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 138-147.	2.9	48
21	5-HT ₆ receptor blockade differentially affects scopolamine-induced deficits of working memory, recognition memory and aversive learning in mice. <i>Psychopharmacology</i> , 2012, 222, 99-115.	1.5	46
22	Rescue of cognitive aging by long-lasting environmental enrichment exposure initiated before median lifespan. <i>Neurobiology of Aging</i> , 2012, 33, 1005.e1-1005.e10.	1.5	43
23	Modulation of 5-HT ₇ receptor: effect on object recognition performances in mice. <i>Psychopharmacology</i> , 2014, 231, 393-400.	1.5	40
24	Tetrahydroisoquinolines as dopaminergic ligands: 1-Butyl-7-chloro-6-hydroxy-tetrahydroisoquinoline, a new compound with antidepressant-like activity in mice. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 4968-4980.	1.4	39
25	Synergistic effect of acetylcholinesterase inhibition (donepezil) and 5-HT ₄ receptor activation (RS67333) on object recognition in mice. <i>Behavioural Brain Research</i> , 2012, 230, 304-308.	1.2	39
26	Synthesis and biological evaluation as AChE inhibitors of new indanones and thiaindanones related to donepezil. <i>European Journal of Medicinal Chemistry</i> , 2005, 40, 1222-1245.	2.6	36
27	Selective 5-HT ₆ Receptor Blockade Improves Spatial Recognition Memory and Reverses Age-Related Deficits in Spatial Recognition Memory in the Mouse. <i>Neuropsychopharmacology</i> , 2009, 34, 488-500.	2.8	36
28	Chronic activation of 5-HT ₄ receptors or blockade of 5-HT ₆ receptors improve memory performances. <i>Behavioural Brain Research</i> , 2015, 293, 10-17.	1.2	36
29	Increased particulate phosphodiesterase 4 in the prefrontal cortex supports 5-HT ₄ receptor-induced improvement of object recognition memory in the rat. <i>Psychopharmacology</i> , 2009, 202, 125-139.	1.5	34
30	<i>In vitro</i> and <i>in vivo</i> pharmacological profile of UFP-512, a novel selective μ -opioid receptor agonist; correlations between desensitization and tolerance. <i>British Journal of Pharmacology</i> , 2007, 152, 1312-1324.	2.7	33
31	Design, synthesis, and pharmacological evaluation of multitarget-directed ligands with both serotonergic subtype 4 receptor (5-HT ₄ R) partial agonist and 5-HT ₆ R antagonist activities, as potential treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2016, 121, 283-293.	2.6	33
32	4-Substituted indazoles as new inhibitors of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3177-3180.	1.0	32
33	Environmental Enrichment Enhances Episodic-Like Memory in Association with a Modified Neuronal Activation Profile in Adult Mice. <i>PLoS ONE</i> , 2012, 7, e48043.	1.1	32
34	Serotonin 5-HT ₆ receptor blockade reverses the age-related deficits of recognition memory and working memory in mice. <i>Behavioural Brain Research</i> , 2011, 222, 134-140.	1.2	31
35	On the importance of long-term functional assessment after stroke to improve translation from bench to bedside. <i>Experimental & Translational Stroke Medicine</i> , 2011, 3, 6.	3.2	31
36	Environmental enrichment improves recent but not remote memory in association with a modified brain metabolic activation profile in adult mice. <i>Behavioural Brain Research</i> , 2012, 228, 22-29.	1.2	31

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37	Age-dependent effects of chronic fluoxetine treatment on the serotonergic system one week following treatment. <i>Psychopharmacology</i> , 2012, 221, 329-339.	1.5	30
38	Novel antagonists of serotonin-4 receptors: Synthesis and biological evaluation of pyrrolothienopyrazines. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 2607-2622.	1.4	29
39	Spatial memory deficit across aging: current insights of the role of 5-HT ₇ receptors. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 448.	1.0	28
40	Synthesis of New 2-(Aminomethyl)-4-phenylpyrrolo[1,2-a]-quinoxalines and their Preliminary In-vivo Central Dopamine Antagonist Activity Evaluation in Mice. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 52, 1369-1375.	1.2	27
41	Dual Histamine H ₃ /Serotonin 5-HT ₄ Ligands with Antiamnesic Properties: Pharmacophore-Based Virtual Screening and Polypharmacology. <i>Journal of Chemical Information and Modeling</i> , 2014, 54, 1773-1784.	2.5	27
42	5-HT ₆ receptor antagonists as treatment for age-related cognitive decline. <i>Reviews in the Neurosciences</i> , 2014, 25, 417-27.	1.4	26
43	Chronic ethanol consumption induces tolerance to the spatial memory impairing effects of acute ethanol administration in rats. <i>Behavioural Brain Research</i> , 2002, 136, 239-246.	1.2	23
44	Interactions of buprenorphine and dipotassium clorazepate on anxiety and memory functions in the mouse. <i>Drug and Alcohol Dependence</i> , 2006, 85, 103-113.	1.6	23
45	Effects of long-term methylphenidate treatment in adolescent and adult rats on hippocampal shape, functional connectivity and adult neurogenesis. <i>Neuroscience</i> , 2015, 309, 243-258.	1.1	23
46	Predicting sensorimotor and memory deficits after neonatal ischemic stroke with reperfusion in the rat. <i>Behavioural Brain Research</i> , 2010, 212, 56-63.	1.2	22
47	Long-Lasting Effects of Chronic Intermittent Alcohol Exposure in Adolescent Mice on Object Recognition and Hippocampal Neuronal Activity. <i>Alcoholism: Clinical and Experimental Research</i> , 2016, 40, 2591-2603.	1.4	22
48	Long-term evaluation of sensorimotor and mnesic behaviour following striatal NMDA-induced unilateral excitotoxic lesion in the mouse. <i>Behavioural Brain Research</i> , 2007, 178, 235-243.	1.2	20
49	Vezatin Is Essential for Dendritic Spine Morphogenesis and Functional Synaptic Maturation. <i>Journal of Neuroscience</i> , 2012, 32, 9007-9022.	1.7	20
50	Inhibiting Acetylcholinesterase to Activate Pleiotropic Prodrugs with Therapeutic Interest in Alzheimer's Disease. <i>Molecules</i> , 2019, 24, 2786.	1.7	20
51	A Novel in vivo Anti-amnesic Agent, Specially Designed to Express Both Acetylcholinesterase (AChE) Inhibitory, Serotonergic Subtype 4 Receptor (5-HT ₄ R) Agonist and Serotonergic Subtype 6 Receptor (5-HT ₆ R) Inverse Agonist Activities, With a Potential Interest Against Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2019, 11, 148.	1.7	20
52	Pleiotropic prodrugs: Design of a dual butyrylcholinesterase inhibitor and 5-HT ₆ receptor antagonist with therapeutic interest in Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 210, 113059.	2.6	20
53	Characterizing age-related decline of recognition memory and brain activation profile in mice. <i>Experimental Gerontology</i> , 2018, 106, 222-231.	1.2	19
54	Donecopride, a Swiss army knife with potential against Alzheimer's disease. <i>British Journal of Pharmacology</i> , 2020, 177, 1988-2005.	2.7	19

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55	Review of 5-HT ₄ R Ligands: State of Art and Clinical Applications. <i>Current Topics in Medicinal Chemistry</i> , 2010, 10, 527-553.	1.0	17
56	Repeated mild hypoxic exposures decrease anxiety-like behavior in the adult mouse together with an increased brain adrenomedullin gene expression. <i>Behavioural Brain Research</i> , 2012, 230, 78-84.	1.2	16
57	New arylhexahydropyrimidinediones: Synthesis, benzodiazepine receptor affinity and anticonvulsant activity. <i>European Journal of Medicinal Chemistry</i> , 1996, 31, 335-339.	2.6	15
58	New hypotheses for the binding mode of 4- and 7-substituted indazoles in the active site of neuronal nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 5296-5304.	1.4	15
59	A Biphasic and Brain-Region Selective Down-Regulation of Cyclic Adenosine Monophosphate Concentrations Supports Object Recognition in the Rat. <i>PLoS ONE</i> , 2012, 7, e32244.	1.1	15
60	The effects of DHEA, 3 β -hydroxy-5 α -androstane-6,17-dione, and 7-amino-DHEA analogues on short term and long term memory in the mouse. <i>Steroids</i> , 2009, 74, 931-937.	0.8	13
61	Maternal hypertension during pregnancy modifies the response of the immature brain to hypoxia-ischemia: Sequential MRI and behavioral investigations. <i>Experimental Neurology</i> , 2012, 233, 264-272.	2.0	13
62	LP-211, a selective 5-HT ₇ receptor agonist, increases novelty preference and promotes risk-prone behavior in rats. <i>Synapse</i> , 2017, 71, e21995.	0.6	13
63	Genomic transcriptional profiling in LOU/C/Jall rats identifies genes for successful aging. <i>Brain Structure and Function</i> , 2013, 218, 1501-1512.	1.2	12
64	Co-modulation of an allosteric modulator of nicotinic receptor-cholinesterase inhibitor (galantamine) and a 5-HT ₄ receptor agonist (RS-67333): effect on scopolamine-induced memory deficit in the mouse. <i>Psychopharmacology</i> , 2017, 234, 2365-2374.	1.5	12
65	Pyrrrolothieno[1,4]diazepines part III: Synthesis of amino, hydrazino and mercapto derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 87-91.	1.4	10
66	Effects of acute administration of melatonin on attentional, executive, and working memory processes in rats. <i>Fundamental and Clinical Pharmacology</i> , 2015, 29, 472-477.	1.0	9
67	Pyrrrolothieno[1,4]diazepines: Synthesis of alkoxy derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 1719-1724.	1.4	8
68	New orally effective 3-(2-nitro)phenylpropanamide analgesic derivatives: Synthesis and antinociceptive evaluation. <i>European Journal of Medicinal Chemistry</i> , 2013, 69, 728-734.	2.6	8
69	Thiazolo[4,3-c][1,4]benzodiazepines. I. Synthesis of amidine derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1995, 32, 1741-1745.	1.4	7
70	Thiazolo[4,3-c][1,4]benzodiazepines. II. Synthesis of fused triazolo, tetrazolo and oxadiazolo derivatives. <i>Journal of Heterocyclic Chemistry</i> , 1996, 33, 275-279.	1.4	7
71	Synthesis of new 6-(4-chlorophenyl)perhydro-1,3-diazepine-2,4-diones via ureidobutyric acids. <i>Journal of Heterocyclic Chemistry</i> , 1998, 35, 535-539.	1.4	7
72	Synthesis and preliminary behavioural evaluation in mice of new 3-aryl-3-pyrrol-1-ylpropanamides, analogues of FGIN-127 and FGIN-143. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 53, 1561-1568.	1.2	7

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73	Repeated dexamphetamine treatment alters the dopaminergic system and increases the phMRI response to methylphenidate. PLoS ONE, 2017, 12, e0172776.	1.1	7
74	Synthesis of new thienocyclopenta[3,2-d]oxazole and thiazole derivatives. Journal of Heterocyclic Chemistry, 1993, 30, 799-802.	1.4	6
75	Pyrolothieno[1,4]diazepines. Part IV. First synthesis of pyrrolo[1,2-a]thieno[2,3-f][1,4]diazepine Derivatives. Journal of Heterocyclic Chemistry, 1996, 33, 1743-1749.	1.4	6
76	Synthesis and CNS Activity of New 3-Amino-3-arylpropionic Acid Derivatives. Pharmacy and Pharmacology Communications, 1999, 5, 217-223.	0.3	6
77	Deletion of the serotonin receptor type 7 disrupts the acquisition of allocentric but not egocentric navigation strategies in mice. Behavioural Brain Research, 2017, 320, 179-185.	1.2	6
78	Cerebral Antihypoxic Activity of New Thienyldihydropyridines.. Chemical and Pharmaceutical Bulletin, 1995, 43, 162-165.	0.6	5
79	Pyrolothieno[1,4]diazepines. Part V. Study of their chemical reactivity and first synthesis of oxazino[4,3-c]pyrrolo[1,2-a]thieno[2,3-f][1,4]diazepines. Journal of Heterocyclic Chemistry, 1997, 34, 1219-1225.	1.4	4
80	2-Oxo-2-(phen-2-ylpyrrol-2-yl)acetamides as potential anxiolytic agents: Synthesis and affinity at the central benzodiazepine receptor. European Journal of Medicinal Chemistry, 1998, 33, 201-207.	2.6	3
81	Synthesis and Evaluation of the CNS Activity of New 4-Alkoxyphenylimidazolidin-2-ones.. Chemical and Pharmaceutical Bulletin, 1998, 46, 711-714.	0.6	3
82	Synthesis and preliminary in vivo evaluation of new 2-Aryl-6-methyl-1,2-dihydro-1H-pyridin-4-ones and 2-Aryl-6-methylpiperidin-4-ols, as potential anti-amnesiant agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2005, 20, 551-556.	2.5	3
83	In vitro and in vivo pharmacological profile of UFP-512, a novel selective μ -opioid receptor agonist; correlations between desensitization and tolerance. British Journal of Pharmacology, 2007, 152, 1325-1325.	2.7	3
84	Novel Object Recognition Test in Rodents.. Handbook of Behavioral Neuroscience, 2018, , 391-402.	0.7	2
85	Synthesis and psychotrope evaluation of new 3-ureidopropan-2-ols using the skin conductance reaction (SCR)-habituation test. European Journal of Medicinal Chemistry, 1994, 29, 761-766.	2.6	1
86	Combination of MAP6 deficit, maternal separation and MK801 in female mice: A 3-hit animal model of neurodevelopmental disorder with cognitive deficits. Behavioural Brain Research, 2021, 413, 113473.	1.2	1
87	Synthesis and Pharmacological Evaluation of New 3-Aryl-3-hydroxyaminopropionic Acids. Pharmacy and Pharmacology Communications, 1999, 5, 239-242.	0.3	0
88	Pharmacological Evaluation of New Baclofen Derivatives. Pharmacy and Pharmacology Communications, 1999, 5, 243-247.	0.3	0