

# Bernard Renaud

## List of Publications by Year in descending order

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37  
papers

1,450  
citations

279798

23  
h-index

345221

36  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1021  
citing authors

#	ARTICLE	IF	CITATIONS
1	Capillary zone electrophoresis with laser-induced fluorescence detection for the determination of nanomolar concentrations of noradrenaline and dopamine: application to brain microdialysate analysis. <i>Analytical Chemistry</i> , 1995, 67, 1838-1844.	6.5	112
2	Unrelated course of subthalamic nucleus and globus pallidus neuronal activities across vigilance states in the rat. <i>European Journal of Neuroscience</i> , 2000, 12, 3361-3374.	2.6	94
3	High temporal resolution for in vivo monitoring of neurotransmitters in awake epileptic rats using brain microdialysis and capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Neuroscience Methods</i> , 2004, 140, 29-38.	2.5	83
4	In vivo simultaneous monitoring of $\beta$ -aminobutyric acid, glutamate, and L-aspartate using brain microdialysis and capillary electrophoresis with laser-induced fluorescence detection: Analytical developments and in vitro/in vivo validations. <i>Electrophoresis</i> , 2003, 24, 3187-3196.	2.4	81
5	Increase in tyrosine hydroxylase activity in the locus coeruleus of the rat brain after contralateral lesioning. <i>Brain Research</i> , 1975, 93, 564-569.	2.2	77
6	Effects of 5,6-dihydroxytryptamine on tyrosine-hydroxylase activity in central catecholaminergic neurons of the rat. <i>Biochemical Pharmacology</i> , 1975, 24, 1739-1742.	4.4	76
7	Time-course variations in tyrosine hydroxylase activity in the rat locus coeruleus after electrolytic destruction of the nuclei raphe dorsalis or raphe centralis. <i>Brain Research</i> , 1976, 108, 339-349.	2.2	69
8	Dopaminergic transmission in STOP null mice. <i>Journal of Neurochemistry</i> , 2005, 94, 63-73.	3.9	65
9	The Switch of Subthalamic Neurons From an Irregular to a Bursting Pattern Does Not Solely Depend on Their GABAergic Inputs in the Anesthetic-Free Rat. <i>Journal of Neuroscience</i> , 2002, 22, 8665-8675.	3.6	58
10	Microdialysis monitoring of catecholamines and excitatory amino acids in the rat and mouse brain: recent developments based on capillary electrophoresis with laser-induced fluorescence detection—a mini-review. <i>Cellular and Molecular Neurobiology</i> , 2003, 23, 793-804.	3.3	54
11	In vivo monitoring of extracellular noradrenaline and glutamate from rat brain cortex with 2-min microdialysis sampling using capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Neuroscience Methods</i> , 1996, 70, 153-162.	2.5	51
12	Evidence that the neuronal nitric oxide synthase inhibitor 7-nitroindazole inhibits monoamine oxidase in the rat: in vivo effects on extracellular striatal dopamine and 3,4-dihydroxyphenylacetic acid. <i>Neuroscience Letters</i> , 1999, 261, 175-178.	2.1	50
13	Simultaneous determination of vigabatrin and amino acid neurotransmitters in brain microdialysates by capillary electrophoresis with laser-induced fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 806, 237-244.	2.3	50
14	Early increase in phenylethanolamine-N-methyltransferase activity in a new strain of spontaneously hypertensive rats. <i>Brain Research</i> , 1978, 159, 149-159.	2.2	49
15	In-capillary derivatization and capillary electrophoresis separation of amino acid neurotransmitters from brain microdialysis samples. <i>Journal of Chromatography A</i> , 2008, 1205, 144-149.	3.7	44
16	Assessment of Jugular Blood Oxygen and Lactate Indices for Detection of Cerebral Ischemia and Prognosis. <i>Journal of Neurosurgical Anesthesiology</i> , 2004, 16, 226-231.	1.2	36
17	Microdialysis monitoring of variations in extracellular levels of serotonin, GABA and excitatory amino acids in the frontal cortex of awake rats in response to a single peripheral or central administration of dexfenfluramine. <i>Brain Research</i> , 1996, 737, 221-230.	2.2	32
18	High-speed separation of subnanomolar concentrations of noradrenaline and dopamine using capillary zone electrophoresis with laser-induced fluorescence detection. <i>Electrophoresis</i> , 1996, 17, 523-525.	2.4	32

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19	Monitoring nitric oxide (NO) in rat locus coeruleus. <i>NeuroReport</i> , 1997, 8, 1321-1325.	1.2	32
20	Analysis of serotonin in brain microdialysates using capillary electrophoresis and native laser-induced fluorescence detection. <i>Electrophoresis</i> , 2005, 26, 1071-1079.	2.4	32
21	Capillary electrophoresis combined with microdialysis in the human spinal cord: A new tool for monitoring rapid peroperative changes in amino acid neurotransmitters within the dorsal horn. <i>Electrophoresis</i> , 2004, 25, 1511-1517.	2.4	30
22	Assessment of pharmacodynamic and pharmacokinetic characteristics of drugs using microdialysis sampling and capillary electrophoresis. <i>Electrophoresis</i> , 1998, 19, 2841-2847.	2.4	29
23	Evidence that the neuronal nitric oxide synthase inhibitor 7-nitroindazole inhibits monoamine oxidase in the rat: in vivo effects on extracellular striatal dopamine and 3,4-dihydroxyphenylacetic acid. <i>Neuroscience Letters</i> , 1999, 264, 5-8.	2.1	29
24	Single-unit and polygraphic recordings associated with systemic or local pharmacology: A multi-purpose stereotaxic approach for the awake, anaesthetic-free, and head-restrained rat. <i>Journal of Neuroscience Research</i> , 2000, 61, 88-100.	2.9	24
25	In vivo comparison of two 5-HT <sub>1A</sub> receptors agonists alnespirone (S-20499) and buspirone on locus coeruleus neuronal activity. <i>European Journal of Pharmacology</i> , 2003, 459, 17-26.	3.5	23
26	Highly sensitive assay for the measurement of serotonin in microdialysates using capillary high-performance liquid chromatography with electrochemical detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 850, 303-309.	2.3	23
27	Biochemical evidence for an interaction between adrenaline and noradrenaline neurons in the rat brainstem. <i>Brain Research</i> , 1986, 397, 333-340.	2.2	19
28	Amino acids in spinal dorsal horn of patients during surgery for neuropathic pain or spasticity. <i>NeuroReport</i> , 2000, 11, 1795-1798.	1.2	19
29	Effects of chronic $\beta$ -blockers treatment on catecholamine synthesizing enzymes in spontaneously hypertensive rats. <i>Biochemical Pharmacology</i> , 1981, 30, 2673-2678.	4.4	15
30	Glutamate and aspartate do not exhibit the same changes in their extracellular concentrations in the rat striatum after N-methyl-D-aspartate local administration. <i>Journal of Neuroscience Research</i> , 2003, 71, 445-454.	2.9	15
31	Outcome of Poor-Grade Subarachnoid Hemorrhage as Determined by Biomarkers of Glucose Cerebral Metabolism. <i>Neurocritical Care</i> , 2013, 18, 234-244.	2.4	13
32	Microdialysis study of amino acid neurotransmitters in the spinal dorsal horn of patients undergoing microsurgical dorsal root entry zone lesioning. <i>Journal of Neurosurgery: Spine</i> , 2001, 94, 165-173.	1.7	10
33	Changes in tyrosine hydroxylase and dopamine-beta-hydroxylase activities but not in phenylethanolamine-N-methyltransferase activity within central adrenaline neurons after 6-hydroxydopamine administration. <i>Biochemical Pharmacology</i> , 1984, 33, 1887-1891.	4.4	9
34	Increased tyrosine hydroxylase activity in central adrenaline neurons after reserpine treatment. <i>European Journal of Pharmacology</i> , 1983, 92, 243-248.	3.5	7
35	Effects of chronic $\beta$ -blocker treatment on catecholamine levels in spontaneously hypertensive rats. <i>Biochemical Pharmacology</i> , 1983, 32, 2739-2743.	4.4	6
36	Clinical CNS Microdialysis of Glutamate with a Special Methodological Focus on Human Spinal Cord. <i>Neuromethods</i> , 2018, , 523-558.	0.3	1

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37	Determination of Subnanomolar Concentrations of Dopamine and Norepinephrine in Nanovolume Samples Using an Automated Capillary Zone Electrophoresis with Laser Induced Fluorescence Detection. <i>Advances in Behavioral Biology</i> , 2002, , 309-312.	0.2	0