

Pier Andrea Serra

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

62 papers	1,463 citations	22 h-index	36 g-index
63 ext. papers	1,665 ext. citations	5.3 avg, IF	4.04 L-index

#	Paper	IF	Citations
62	Quality control methods in musculoskeletal tissue engineering: from imaging to biosensors. <i>Bone Research</i> , 2021 , 9, 46	13.3	2
61	Functionalization of Screen-Printed Sensors with a High Reactivity Carbonaceous Material for Ascorbic Acid Detection in Fresh-Cut Fruit with Low Vitamin C Content. <i>Chemosensors</i> , 2021 , 9, 354	4	0
60	Epidemiology, Clinical Aspects, Laboratory Diagnosis and Treatment of Rickettsial Diseases in the Mediterranean Area During COVID-19 Pandemic: A Review of the Literature. <i>Mediterranean Journal of Hematology and Infectious Diseases</i> , 2020 , 12, e2020056	3.2	2
59	Targeted Therapies in Cholangiocarcinoma: Emerging Evidence from Clinical Trials. <i>Medicina (Lithuania)</i> , 2019 , 55,	3.1	41
58	Extracts from Myrtle Liqueur Processing Waste Modulate Stem Cells Pluripotency under Stressing Conditions. <i>BioMed Research International</i> , 2019 , 2019, 5641034	3	11
57	Real-time telemetry monitoring of oxygen in the central complex of freely-walking <i>Gromphadorhina portentosa</i> . <i>PLoS ONE</i> , 2019 , 14, e0224932	3.7	1
56	Low-Temperature Storage Improves the Over-Time Stability of Implantable Glucose and Lactate Biosensors. <i>Sensors</i> , 2019 , 19,	3.8	12
55	Postharvest application of oxalic acid to preserve overall appearance and nutritional quality of fresh-cut green and purple asparagus during cold storage: a combined electrochemical and mass-spectrometry analysis approach. <i>Postharvest Biology and Technology</i> , 2019 , 148, 158-167	6.2	13
54	Real-time telemetry monitoring of oxygen in the central complex of freely-walking <i>Gromphadorhina portentosa</i> 2019 , 14, e0224932		
53	Real-time telemetry monitoring of oxygen in the central complex of freely-walking <i>Gromphadorhina portentosa</i> 2019 , 14, e0224932		
52	Real-time telemetry monitoring of oxygen in the central complex of freely-walking <i>Gromphadorhina portentosa</i> 2019 , 14, e0224932		
51	Real-time telemetry monitoring of oxygen in the central complex of freely-walking <i>Gromphadorhina portentosa</i> 2019 , 14, e0224932		
50	Enzyme-Based Electrochemical Biosensor for Therapeutic Drug Monitoring of Anticancer Drug Irinotecan. <i>Analytical Chemistry</i> , 2018 , 90, 6012-6019	7.8	22
49	Metabolomic analysis of mouse prefrontal cortex reveals upregulated analytes during wakefulness compared to sleep. <i>Scientific Reports</i> , 2018 , 8, 11225	4.9	24
48	A MOF-based carrier for dopamine delivery.. <i>RSC Advances</i> , 2018 , 8, 25664-25672	3.7	18
47	Synthesis of magnolol and honokiol derivatives and their effect against hepatocarcinoma cells. <i>PLoS ONE</i> , 2018 , 13, e0192178	3.7	22
46	Propylene Glycol Stabilizes the Linear Response of Glutamate Biosensor: Potential Implications for In-Vivo Neurochemical Monitoring. <i>Chemosensors</i> , 2018 , 6, 58	4	6

45	The role of molecular breast imaging in predicting complete tumor response to treatment and residual tumor extent following neoadjuvant therapy. <i>Oncology Reports</i> , 2018 , 39, 2055-2062	3.5	4
44	Microdialysis as a New Technique for Extracting Phenolic Compounds from Extra Virgin Olive Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 1829-1835	5.7	2
43	Hydroxylated biphenyls as tyrosinase inhibitor: A spectrophotometric and electrochemical study. <i>European Journal of Medicinal Chemistry</i> , 2017 , 126, 1034-1038	6.8	20
42	Is catalase involved in the effects of systemic and pVTA administration of 4-methylpyrazole on ethanol self-administration?. <i>Alcohol</i> , 2017 , 63, 61-73	2.7	7
41	123I-ioflupane brain SPECT and 123I-MIBG cardiac planar scintigraphy combined use in uncertain parkinsonian disorders. <i>Medicine (United States)</i> , 2017 , 96, e6967	1.8	13
40	Real-time monitoring of glucose and phenols intestinal absorption through an integrated Caco-2TC7cells/biosensors telemetric device: Hypoglycemic effect of fruit phytochemicals. <i>Biosensors and Bioelectronics</i> , 2017 , 88, 159-166	11.8	17
39	Development of a biosensor telemetry system for monitoring fermentation in craft breweries. <i>Food Chemistry</i> , 2017 , 218, 479-486	8.5	14
38	Synthesis of Nitric Oxide Donors Derived from Piloty@ Acid and Study of Their Effects on Dopamine Secretion from PC12 Cells. <i>Pharmaceuticals</i> , 2017 , 10,	5.2	3
37	Melatonin and Vitamin D Interfere with the Adipogenic Fate of Adipose-Derived Stem Cells. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	44
36	Synthesis of new ferrocenyl dehydrozingerone derivatives and their effects on viability of PC12 cells. <i>Polyhedron</i> , 2016 , 117, 80-89	2.7	12
35	Enzyme Biosensors for Biomedical Applications: Strategies for Safeguarding Analytical Performances in Biological Fluids. <i>Sensors</i> , 2016 , 16,	3.8	244
34	Region-Specific Dissociation between Cortical Noradrenaline Levels and the Sleep/Wake Cycle. <i>Sleep</i> , 2016 , 39, 143-54	1.1	44
33	Simultaneous amperometric detection of ascorbic acid and antioxidant capacity in orange, blueberry and kiwi juice, by a telemetric system coupled with a fullerene- or nanotubes-modified ascorbate subtractive biosensor. <i>Biosensors and Bioelectronics</i> , 2015 , 67, 214-23	11.8	62
32	Neurological morphofunctional differentiation induced by REAC technology in PC12. A neuro protective model for Parkinson@ disease. <i>Scientific Reports</i> , 2015 , 5, 10439	4.9	32
31	Ceria nanoparticles for the treatment of Parkinson-like diseases induced by chronic manganese intoxication. <i>RSC Advances</i> , 2015 , 5, 20432-20439	3.7	31
30	Development and characterization of an ascorbate oxidase-based sensor-biosensor system for telemetric detection of AA and antioxidant capacity in fresh orange juice. <i>Analytical Chemistry</i> , 2014 , 86, 8727-34	7.8	24
29	Effects of the neurotoxin MPTP and pargyline protection on extracellular energy metabolites and dopamine levels in the striatum of freely moving rats. <i>Brain Research</i> , 2013 , 1538, 159-71	3.7	9
28	Simultaneous/selective detection of dopamine and ascorbic acid at synthetic zeolite-modified/graphite-epoxy composite macro/quasi-microelectrodes. <i>Sensors</i> , 2013 , 13, 7296-307	3.8	13

27	Further in-vitro characterization of an implantable biosensor for ethanol monitoring in the brain. <i>Sensors</i> , 2013 , 13, 9522-35	3.8	15
26	LRRK2 affects vesicle trafficking, neurotransmitter extracellular level and membrane receptor localization. <i>PLoS ONE</i> , 2013 , 8, e77198	3.7	51
25	Development and characterization of an implantable biosensor for telemetric monitoring of ethanol in the brain of freely moving rats. <i>Analytical Chemistry</i> , 2012 , 84, 7072-9	7.8	32
24	Detection of postharvest changes of ascorbic acid in fresh-cut melon, kiwi, and pineapple, by using a low cost telemetric system. <i>Food Chemistry</i> , 2012 , 135, 1555-62	8.5	20
23	Brain microdialysis in freely moving animals. <i>Methods in Molecular Biology</i> , 2012 , 846, 365-81	1.4	1
22	Dual asymmetric-flow microdialysis for in vivo monitoring of brain neurochemicals. <i>Talanta</i> , 2011 , 85, 1933-40	6.2	9
21	New ultralow-cost telemetric system for a rapid electrochemical detection of vitamin C in fresh orange juice. <i>Analytical Chemistry</i> , 2010 , 82, 5134-40	7.8	32
20	alpha-Synuclein- and MPTP-generated rodent models of Parkinson's disease and the study of extracellular striatal dopamine dynamics: a microdialysis approach. <i>CNS and Neurological Disorders - Drug Targets</i> , 2010 , 9, 482-90	2.6	29
19	Development of a voltammetric technique for monitoring brain dopamine metabolism: compensation for interference caused by DOPAC electrogenerated during homovanillic acid detection. <i>Analyst, The</i> , 2009 , 134, 893-8	5	11
18	The MPTP mouse model: cues on DA release and neural stem cell restorative role. <i>Parkinsonism and Related Disorders</i> , 2008 , 14 Suppl 2, S189-93	3.6	25
17	Endogenous melatonin protects L-DOPA from autoxidation in the striatal extracellular compartment of the freely moving rat: potential implication for long-term L-DOPA therapy in Parkinson's disease. <i>Journal of Pineal Research</i> , 2006 , 40, 204-13	10.4	33
16	Glucocorticoid receptor-nitric oxide crosstalk and vulnerability to experimental parkinsonism: pivotal role for glia-neuron interactions. <i>Brain Research Reviews</i> , 2005 , 48, 302-21		44
15	Hormones are key actors in gene x environment interactions programming the vulnerability to Parkinson's disease: glia as a common final pathway. <i>Annals of the New York Academy of Sciences</i> , 2005 , 1057, 296-318	6.5	40
14	Role of endogenous melatonin in the oxidative homeostasis of the extracellular striatal compartment: a microdialysis study in PC12 cells in vitro and in the striatum of freely moving rats. <i>Journal of Pineal Research</i> , 2005 , 39, 409-18	10.4	10
13	Signaling pathways in the nitric oxide and iron-induced dopamine release in the striatum of freely moving rats: role of extracellular Ca ²⁺ and L-type Ca ²⁺ channels. <i>Brain Research</i> , 2005 , 1047, 18-29	3.7	21
12	Signalling pathways in the nitric oxide donor-induced dopamine release in the striatum of freely moving rats: evidence that exogenous nitric oxide promotes Ca ²⁺ entry through store-operated channels. <i>Brain Research</i> , 2004 , 1023, 243-52	3.7	20
11	On the mechanism of levosimendan-induced dopamine release in the striatum of freely moving rats. <i>Journal of Pharmacological Sciences</i> , 2004 , 95, 299-304	3.7	3
10	Role of the nitric oxide/cyclic GMP pathway and extracellular environment in the nitric oxide donor-induced increase in dopamine secretion from PC12 cells: a microdialysis in vitro study. <i>Journal of Neurochemistry</i> , 2003 , 86, 1403-13	6	21

9	Role of the nitric oxide/cyclic GMP pathway and ascorbic acid in 3-morpholinodopamine (SIN-1)-induced increases in dopamine secretion from PC12 cells. A microdialysis in vitro study. <i>Neuroscience Letters</i> , 2003 , 353, 5-8	3.3	16
8	Effects of sufentanil on the release and metabolism of dopamine and ascorbic acid and glutamate release in the striatum of freely moving rats. <i>Neuroscience Letters</i> , 2003 , 344, 9-12	3.3	7
7	The neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine induces apoptosis in mouse nigrostriatal glia. Relevance to nigral neuronal death and striatal neurochemical changes. <i>Journal of Biological Chemistry</i> , 2002 , 277, 34451-61	5.4	70
6	Analysis of S-nitroso-N-acetylpennicillamine effects on dopamine release in the striatum of freely moving rats: role of endogenous ascorbic acid and oxidative stress. <i>British Journal of Pharmacology</i> , 2001 , 132, 941-9	8.6	14
5	A study on the role of nitric oxide and iron in 3-morpholino-sydnonimine-induced increases in dopamine release in the striatum of freely moving rats. <i>British Journal of Pharmacology</i> , 2001 , 134, 275-82	8.6	14
4	Manganese increases L-DOPA auto-oxidation in the striatum of the freely moving rat: potential implications to L-DOPA long-term therapy of Parkinson's disease. <i>British Journal of Pharmacology</i> , 2000 , 130, 937-45	8.6	42
3	Enhancing effect of manganese on L-DOPA-induced apoptosis in PC12 cells: role of oxidative stress. <i>Journal of Neurochemistry</i> , 1999 , 73, 1155-63	6	84
2	Effects of allopurinol on striatal dopamine, ascorbate and uric acid during an acute morphine challenge: ex vivo and in vivo studies. <i>Pharmacological Research</i> , 1997 , 35, 577-85	10.2	27
1	Early combination treatment with existing HIV antivirals: an effective treatment for COVID-19?		3