

JosÃ© Luis GonzÃ¡lez-Mora

List of Publications by Year in descending order

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86
papers

2,459
citations

136885

32
h-index

223716

46
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90
all docs

90
docs citations

90
times ranked

2515
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of core-shell Fe ₃ O ₄ @poly(dopamine) magnetic nanoparticles for biosensor construction. <i>Journal of Materials Chemistry B</i> , 2014, 2, 739-746.	2.9	197
2	Architectural design and the brain: Effects of ceiling height and perceived enclosure on beauty judgments and approach-avoidance decisions. <i>Journal of Environmental Psychology</i> , 2015, 41, 10-18.	2.3	139
3	Increased dopamine release in the nucleus accumbens of copulating male rats as evidenced by in vivo voltammetry. <i>Neuroscience Letters</i> , 1990, 110, 303-308.	1.0	122
4	Amphetamine increases the extracellular concentration of glutamate in striatum of the awake rat: involvement of high affinity transporter mechanisms. <i>Neuropharmacology</i> , 1999, 38, 943-954.	2.0	76
5	Sex-related olfactory stimuli induce a selective increase in dopamine release in the nucleus accumbens of male rats. A voltammetric study. <i>Brain Research</i> , 1991, 553, 313-317.	1.1	72
6	Increased Grey Matter Associated with Long-Term Sahaja Yoga Meditation: A Voxel-Based Morphometry Study. <i>PLoS ONE</i> , 2016, 11, e0150757.	1.1	72
7	Voltammetric and microdialysis monitoring of brain monoamine neurotransmitter release during sociosexual interactions. <i>Behavioural Brain Research</i> , 1995, 71, 69-75.	1.2	71
8	Changes in Mating Behavior, Erectile Function, and Nitric Oxide Levels in Penile Corpora Cavernosa in Streptozotocin-Diabetic Rats. <i>Biology of Reproduction</i> , 2002, 66, 185-189.	1.2	68
9	Changes in monoamine turnover in forebrain areas associated with masculine sexual behavior: a microdialysis study. <i>Brain Research</i> , 1994, 662, 233-239.	1.1	63
10	Rapid Legionella pneumophila determination based on a disposable core-shell Fe ₃ O ₄ @poly(dopamine) magnetic nanoparticles immunoplatfrom. <i>Analytica Chimica Acta</i> , 2015, 887, 51-58.	2.6	61
11	Psychological and neural responses to architectural interiors. <i>Cortex</i> , 2020, 126, 217-241.	1.1	58
12	Gray Matter and Functional Connectivity in Anterior Cingulate Cortex are Associated with the State of Mental Silence During Sahaja Yoga Meditation. <i>Neuroscience</i> , 2018, 371, 395-406.	1.1	51
13	One-step green synthesis of silver nanoparticle-modified reduced graphene oxide nanocomposite for H ₂ O ₂ sensing applications. <i>Journal of Electroanalytical Chemistry</i> , 2019, 855, 113638.	1.9	50
14	Neurochemical correlates of sexual exhaustion and recovery as assessed by in vivo microdialysis. <i>Brain Research</i> , 1995, 675, 13-19.	1.1	48
15	Improvement and characterization of surfactant-modified Prussian blue screen-printed carbon electrodes for selective H ₂ O ₂ detection at low applied potentials. <i>Journal of Electroanalytical Chemistry</i> , 2012, 674, 48-56.	1.9	47
16	Development of a new space perception system for blind people, based on the creation of a virtual acoustic space. <i>Lecture Notes in Computer Science</i> , 1999, , 321-330.	1.0	46
17	Surfactant-promoted Prussian Blue-modified carbon electrodes: Enhancement of electro-deposition step, stabilization, electrochemical properties and application to lactate microbiosensors for the neurosciences. <i>Colloids and Surfaces B: Biointerfaces</i> , 2012, 92, 180-189.	2.5	46
18	Mathematical resolution of mixed in vivo voltammetry signals. <i>Journal of Neuroscience Methods</i> , 1991, 39, 231-244.	1.3	45

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19	Quinone-Rich Poly(dopamine) Magnetic Nanoparticles for Biosensor Applications. <i>ChemPhysChem</i> , 2014, 15, 3742-3752.	1.0	45
20	Application of Prussian Blue electrodes for amperometric detection of free chlorine in water samples using Flow Injection Analysis. <i>Talanta</i> , 2016, 146, 410-416.	2.9	45
21	A novel and improved surfactant-modified Prussian Blue electrode for amperometric detection of free chlorine in water. <i>Sensors and Actuators B: Chemical</i> , 2015, 213, 116-123.	4.0	44
22	Anomalously High Concentrations of Brain Extracellular Uric Acid Detected with Chronically Implanted Probes: Implications for In Vivo Sampling Techniques. <i>Journal of Neurochemistry</i> , 1991, 57, 22-29.	2.1	42
23	Nitric oxide release in penile corpora cavernosa in a rat model of erection. <i>Journal of Physiology</i> , 1999, 516, 261-269.	1.3	40
24	Prussian Blue-modified microelectrodes for selective transduction in enzyme-based amperometric microbiosensors for in vivo neurochemical monitoring. <i>Electrochimica Acta</i> , 2010, 55, 6476-6484.	2.6	40
25	Fixed Versus Removable Microdialysis Probes for In Vivo Neurochemical Analysis: Implications for Behavioral Studies. <i>Journal of Neurochemistry</i> , 1994, 63, 1407-1415.	2.1	39
26	Cholesterol biosensing with a polydopamine-modified nanostructured platinum electrode prepared by oblique angle physical vacuum deposition. <i>Sensors and Actuators B: Chemical</i> , 2017, 240, 37-45.	4.0	38
27	Glutamate microbiosensors based on Prussian Blue modified carbon fiber electrodes for neuroscience applications: In-vitro characterization. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 117-125.	4.0	37
28	In vivo voltammetry study of the modulatory action of prolactin on the mesolimbic dopaminergic system. <i>Brain Research Bulletin</i> , 1990, 25, 729-733.	1.4	36
29	Microbiosensors for glucose based on Prussian Blue modified carbon fiber electrodes for in vivo monitoring in the central nervous system. <i>Biosensors and Bioelectronics</i> , 2010, 26, 748-753.	5.3	36
30	Concurrent on-line analysis of striatal ascorbate, dopamine and dihydroxyphenylacetic acid concentrations by in vivo voltammetry. <i>Neuroscience Letters</i> , 1988, 86, 61-66.	1.0	32
31	Post-mortem dopamine dynamics assessed by voltammetry and microdialysis. <i>Brain Research Bulletin</i> , 1989, 23, 323-327.	1.4	32
32	Amperometric glucose microbiosensor based on a Prussian Blue modified carbon fiber electrode for physiological applications. <i>Sensors and Actuators B: Chemical</i> , 2011, 152, 137-143.	4.0	32
33	Different levodopa actions on the extracellular dopamine pools in the rat striatum. <i>Synapse</i> , 2007, 61, 61-71.	0.6	31
34	In situ electrodeposition of cholesterol oxidase-modified polydopamine thin film on nanostructured screen printed electrodes for free cholesterol determination. <i>Journal of Electroanalytical Chemistry</i> , 2019, 837, 191-199.	1.9	30
35	Renal ischemia induces an increase in nitric oxide levels from tissue stores. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R1459-R1466.	0.9	27
36	Monitoring the Neural Activity of the State of Mental Silence While Practicing <i>Sahaja</i> Yoga Meditation. <i>Journal of Alternative and Complementary Medicine</i> , 2015, 21, 175-179.	2.1	27

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37	Opposite effects of low and high doses of arginine on glutamate-induced nitric oxide formation in rat substantia nigra. <i>Neuroscience Letters</i> , 2001, 314, 127-130.	1.0	21
38	Amperometric magnetobiosensors using poly(dopamine)-modified Fe ₃ O ₄ magnetic nanoparticles for the detection of phenolic compounds. <i>Analytical Methods</i> , 2015, 7, 8801-8808.	1.3	21
39	In vivo electrochemical measurement of nitric oxide in corpus cavernosum penis. <i>Journal of Neuroscience Methods</i> , 2002, 119, 143-150.	1.3	20
40	Fast perspective recovery of text in natural scenes. <i>Image and Vision Computing</i> , 2013, 31, 714-724.	2.7	20
41	Observation of Simple Intransitive Actions: The Effect of Familiarity. <i>PLoS ONE</i> , 2013, 8, e74485.	1.1	20
42	Bilinear Active Appearance Models. , 2007, , .		19
43	Activation of the human mirror neuron system during the observation of the manipulation of virtual tools in the absence of a visible effector limb. <i>Neuroscience Letters</i> , 2013, 555, 220-224.	1.0	19
44	Learning a generic 3D face model from 2D image databases using incremental Structure-from-Motion. <i>Image and Vision Computing</i> , 2010, 28, 1117-1129.	2.7	18
45	Voltammetric monitoring of brain extracellular levels of serotonin, 5-hydroxyindoleacetic acid and uric acid as assessed by simultaneous microdialysis. <i>Journal of Neuroscience Methods</i> , 1992, 45, 159-164.	1.3	17
46	Heterogeneous Dopamine Neurochemistry in the Striatum: The Fountain-Drain Matrix. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 319, 31-43.	1.3	17
47	The mirror neuron system and motor dexterity: What happens?. <i>Neuroscience</i> , 2014, 275, 285-295.	1.1	17
48	Diffuse reflectance spectroscopy characterization of hemoglobin and intralipid solutions: in vitro measurements with continuous variation of absorption and scattering. <i>Journal of Biomedical Optics</i> , 2009, 14, 034026.	1.4	15
49	Simultaneous measurements of glucose, oxyhemoglobin and deoxyhemoglobin in exposed rat cortex. <i>Journal of Neuroscience Methods</i> , 2011, 202, 192-198.	1.3	13
50	The Use of Fluorocarbons to Mitigate the Oxygen Dependence of Glucose Microbiosensors for Neuroscience Applications. <i>Journal of the Electrochemical Society</i> , 2014, 161, H689-H695.	1.3	13
51	In vivo monitoring of brain neurotransmitter release for the assessment of neuroendocrine interactions. <i>Cellular and Molecular Neurobiology</i> , 1996, 16, 383-396.	1.7	12
52	Developmental grey matter changes in superior parietal cortex accompany improved transitive reasoning. <i>Thinking and Reasoning</i> , 2019, 25, 151-170.	2.1	10
53	N-Acetylaspartyl-Glutamate Metabolism in the Cingulated Cortices as a Biomarker of the Etiology in ASD: A 1H-MRS Model. <i>Molecules</i> , 2021, 26, 675.	1.7	10
54	Medial temporal lobe contributions to resting-state networks. <i>Brain Structure and Function</i> , 2022, 227, 995-1012.	1.2	10

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55	The effect of motor familiarity during simple finger opposition tasks. <i>Brain Imaging and Behavior</i> , 2015, 9, 828-838.	1.1	9
56	Resting State Functional Connectivity Associated With Sahaja Yoga Meditation. <i>Frontiers in Human Neuroscience</i> , 2021, 15, 614882.	1.0	9
57	Constitutive NOS isoforms account for gastric mucosal NO overproduction in uremic rats. <i>American Journal of Physiology - Renal Physiology</i> , 1997, 272, G894-G901.	1.6	8
58	The Mirror Neuron System in Relapsing Remitting Multiple Sclerosis Patients with Low Disability. <i>Brain Topography</i> , 2017, 30, 548-559.	0.8	8
59	In vivo spectroscopy: a novel approach for simultaneously estimating nitric oxide and hemodynamic parameters in the rat brain. <i>Journal of Neuroscience Methods</i> , 2002, 119, 151-161.	1.3	7
60	Modulation in the mirror neuron system when action prediction is not satisfied. <i>European Journal of Neuroscience</i> , 2015, 41, 940-948.	1.2	7
61	Comparing diffuse optical tomography and functional magnetic resonance imaging signals during a cognitive task: pilot study. <i>Neurophotonics</i> , 2017, 4, 015003.	1.7	7
62	Subarachnoid hemorrhage and visuospatial and visuooperative impairment: disruption of the mirror neuron system. <i>Brain Imaging and Behavior</i> , 2017, 11, 1538-1547.	1.1	7
63	Is it necessary to show virtual limbs in action observation neurorehabilitation systems?. <i>Journal of Rehabilitation and Assistive Technologies Engineering</i> , 2019, 6, 205566831985914.	0.6	7
64	Neurofunctional correlates of eye to hand motor transfer. <i>Human Brain Mapping</i> , 2020, 41, 2656-2668.	1.9	7
65	Larger whole brain grey matter associated with long-term Sahaja Yoga Meditation: A detailed area by area comparison. <i>PLoS ONE</i> , 2020, 15, e0237552.	1.1	7
66	Diffuse optical tomography in the human brain: A briefly review from the neurophysiology to its applications. <i>Brain Science Advances</i> , 2020, 6, 289-305.	0.3	7
67	Hemoglobin-modified nanoparticles for electrochemical determination of haptoglobin: Application in bovine mastitis diagnosis. <i>Microchemical Journal</i> , 2022, 179, 107528.	2.3	7
68	A low cost fMRI-compatible tracking system using the Nintendo Wii remote. <i>Journal of Neuroscience Methods</i> , 2011, 202, 173-181.	1.3	6
69	The mirror neuron system also rests. <i>Brain Structure and Function</i> , 2017, 222, 2193-2202.	1.2	6
70	The relationship between amplitude of low frequency fluctuations and gray matter volume of the mirror neuron system: Differences between low disability multiple sclerosis patients and healthy controls. <i>IBRO Reports</i> , 2018, 5, 60-66.	0.3	6
71	Diffuse optical tomography to measure functional changes during motor tasks: a motor imagery study. <i>Biomedical Optics Express</i> , 2020, 11, 6049.	1.5	6
72	Autotomy in rats following peripheral nerve transection is attenuated by preceding formalin injections into the same limb. <i>Neuroscience Letters</i> , 1998, 243, 125-128.	1.0	5

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73	Temporal Uncertainty and Temporal Estimation Errors Affect Insular Activity and the Frontostriatal Indirect Pathway during Action Update: A Predictive Coding Study. <i>Frontiers in Human Neuroscience</i> , 2016, 10, 276.	1.0	5
74	Diffuse Optical Tomography Using Bayesian Filtering in the Human Brain. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 3399.	1.3	5
75	Monitoring Extracellular Molecules in Neuroscience by In Vivo Electrochemistry: Methodological Considerations and Biological Applications. <i>NeuroMethods</i> , 2017, , 181-206.	0.2	5
76	Simultaneous monitoring of nitric oxide, oxyhemoglobin and deoxyhemoglobin from small areas of the rat brain by in vivo visible spectroscopy and a least-square approach. <i>Journal of Neuroscience Methods</i> , 2004, 140, 75-80.	1.3	4
77	Nigrostriatal cell firing action on the dopamine transporter. <i>European Journal of Neuroscience</i> , 2007, 25, 2755-2765.	1.2	4
78	Enhancing Sensorimotor Activity by Controlling Virtual Objects with Gaze. <i>PLoS ONE</i> , 2015, 10, e0121562.	1.1	4
79	Visual inputs decrease brain activity in frontal areas during silent lipreading. <i>PLoS ONE</i> , 2019, 14, e0223782.	1.1	4
80	Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. <i>Microchemical Journal</i> , 2020, 159, 105538.	2.3	4
81	Differences in regional gray matter volume predict the extent to which openness influences judgments of beauty and pleasantness of interior architectural spaces. <i>Annals of the New York Academy of Sciences</i> , 2022, 1507, 133-145.	1.8	4
82	Is it possible to measure hemodynamic changes in the prefrontal cortex through the frontal sinus using continuous wave DOT systems?. <i>Biomedical Optics Express</i> , 2019, 10, 817.	1.5	4
83	The role of mirror neurons in neurosurgical patients: A few general considerations and rehabilitation perspectives. <i>NeuroRehabilitation</i> , 2014, 35, 665-671.	0.5	3
84	In Vivo Biosensor Based on Prussian Blue for Brain Chemistry Monitoring : Methodological Review and Biological Applications. <i>NeuroMethods</i> , 2017, , 155-179.	0.2	3
85	Fixed Versus Removable Microdialysis Probes for In Vivo Neurochemical Analysis: Implications for Behavioral Studies. <i>Journal of Neurochemistry</i> , 1995, 64, 1899-1900.	2.1	2
86	Mapping the Mirror Neuron System in Neurosurgery. <i>World Neurosurgery</i> , 2015, 84, 2077.e5-2077.e10.	0.7	2