JosÃ© Luis GonzÃ¡lez-Mora

List of Publications by Year
in descending order

86	2,459	136885	223716
papers	citations	32 h-index	46 g-index

90	90	90	2515
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Differences in regional gray matter volume predict the extent to which openness influences judgments of beauty and pleasantness of interior architectural spaces. Annals of the New York Academy of Sciences, 2022, 1507, 133-145.	1.8	4
2	Medial temporal lobe contributions to resting-state networks. Brain Structure and Function, 2022, 227, 995-1012.	1.2	10
3	Hemoglobin-modified nanoparticles for electrochemical determination of haptoglobin: Application in bovine mastitis diagnosis. Microchemical Journal, 2022, 179, 107528.	2.3	7
4	N-Acetylaspartyl-Glutamate Metabolism in the Cingulated Cortices as a Biomarker of the Etiology in ASD: A 1H-MRS Model. Molecules, 2021, 26, 675.	1.7	10
5	Resting State Functional Connectivity Associated With Sahaja Yoga Meditation. Frontiers in Human Neuroscience, 2021, 15, 614882.	1.0	9
6	Nickel oxide nanoparticles-modified glassy carbon electrodes for non-enzymatic determination of total sugars in commercial beverages. Microchemical Journal, 2020, 159, 105538.	2.3	4
7	Diffuse Optical Tomography Using Bayesian Filtering in the Human Brain. Applied Sciences (Switzerland), 2020, 10, 3399.	1.3	5
8	Neurofunctional correlates of eye to hand motor transfer. Human Brain Mapping, 2020, 41, 2656-2668.	1.9	7
9	Psychological and neural responses to architectural interiors. Cortex, 2020, 126, 217-241.	1.1	58
10	Diffuse optical tomography to measure functional changes during motor tasks: a motor imagery study. Biomedical Optics Express, 2020, 11, 6049.	1.5	6
11	Larger whole brain grey matter associated with long-term Sahaja Yoga Meditation: A detailed area by area comparison. PLoS ONE, 2020, 15, e0237552.	1.1	7
12	Diffuse optical tomography in the human brain: A briefly review from the neurophysiology to its applications. Brain Science Advances, 2020, 6, 289-305.	0.3	7
13	Is it necessary to show virtual limbs in action observation neurorehabilitation systems?. Journal of Rehabilitation and Assistive Technologies Engineering, 2019, 6, 205566831985914.	0.6	7
14	Visual inputs decrease brain activity in frontal areas during silent lipreading. PLoS ONE, 2019, 14, e0223782.	1.1	4
15	In situ electrodeposition of cholesterol oxidase-modified polydopamine thin film on nanostructured screen printed electrodes for free cholesterol determination. Journal of Electroanalytical Chemistry, 2019, 837, 191-199.	1.9	30
16	One-step green synthesis of silver nanoparticle-modified reduced graphene oxide nanocomposite for H2O2 sensing applications. Journal of Electroanalytical Chemistry, 2019, 855, 113638.	1.9	50
17	Developmental grey matter changes in superior parietal cortex accompany improved transitive reasoning. Thinking and Reasoning, 2019, 25, 151-170.	2.1	10
18	Is it possible to measure hemodynamic changes in the prefrontal cortex through the frontal sinus using continuous wave DOT systems?. Biomedical Optics Express, 2019, 10, 817.	1.5	4

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19	Gray Matter and Functional Connectivity in Anterior Cingulate Cortex are Associated with the State of Mental Silence During Sahaja Yoga Meditation. Neuroscience, 2018, 371, 395-406.	1.1	51
20	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. IBRO Reports, 2018, 5, 60-66.	0.3	6
21	Comparing diffuse optical tomography and functional magnetic resonance imaging signals during a cognitive task: pilot study. Neurophotonics, 2017, 4, 015003.	1.7	7
22	The Mirror Neuron System in Relapsing Remitting Multiple Sclerosis Patients with Low Disability. Brain Topography, 2017, 30, 548-559.	0.8	8
23	The mirror neuron system also rests. Brain Structure and Function, 2017, 222, 2193-2202.	1.2	6
24	Subarachnoid hemorrhage and visuospatial and visuoperceptive impairment: disruption of the mirror neuron system. Brain Imaging and Behavior, 2017, 11, 1538-1547.	1.1	7
25	In Vivo Biosensor Based on Prussian Blue for Brain Chemistry Monitoring : Methodological Review and Biological Applications. Neuromethods, 2017, , 155-179.	0.2	3
26	Cholesterol biosensing with a polydopamine-modified nanostructured platinum electrode prepared by oblique angle physical vacuum deposition. Sensors and Actuators B: Chemical, 2017, 240, 37-45.	4.0	38
27	Monitoring Extracellular Molecules in Neuroscience by In Vivo Electrochemistry: Methodological Considerations and Biological Applications. Neuromethods, 2017, , 181-206.	0.2	5
28	Temporal Uncertainty and Temporal Estimation Errors Affect Insular Activity and the Frontostriatal Indirect Pathway during Action Update: A Predictive Coding Study. Frontiers in Human Neuroscience, 2016, 10, 276.	1.0	5
29	Increased Grey Matter Associated with Long-Term Sahaja Yoga Meditation: A Voxel-Based Morphometry Study. PLoS ONE, 2016, 11, e0150757.	1.1	72
30	Glutamate microbiosensors based on Prussian Blue modified carbon fiber electrodes for neuroscience applications: In-vitro characterization. Sensors and Actuators B: Chemical, 2016, 235, 117-125.	4.0	37
31	Application of Prussian Blue electrodes for amperometric detection of free chlorine in water samples using Flow Injection Analysis. Talanta, 2016, 146, 410-416.	2.9	45
32	Enhancing Sensorimotor Activity by Controlling Virtual Objects with Gaze. PLoS ONE, 2015, 10, e0121562.	1.1	4
33	Monitoring the Neural Activity of the State of Mental Silence While Practicing Sahaja Yoga Meditation. Journal of Alternative and Complementary Medicine, 2015, 21, 175-179.	2.1	27
34	A novel and improved surfactant-modified Prussian Blue electrode for amperometric detection of free chlorine in water. Sensors and Actuators B: Chemical, 2015, 213, 116-123.	4.0	44
35	The effect of motor familiarity during simple finger opposition tasks. Brain Imaging and Behavior, 2015, 9, 828-838.	1.1	9
36	Mapping the Mirror Neuron System in Neurosurgery. World Neurosurgery, 2015, 84, 2077.e5-2077.e10.	0.7	2

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37	Rapid Legionella pneumophila determination based on a disposable coreâ€“shell Fe 3 O 4 @poly(dopamine) magnetic nanoparticles immunoplatform. Analytica Chimica Acta, 2015, 887, 51-58.	2.6	61
38	Modulation in the mirror neuron system when action prediction is not satisfied. European Journal of Neuroscience, 2015, 41, 940-948.	1.2	7
39	Amperometric magnetobiosensors using poly(dopamine)-modified Fe₃O₄ magnetic nanoparticles for the detection of phenolic compounds. Analytical Methods, 2015, 7, 8801-8808.	1.3	21
40	Architectural design and the brain: Effects of ceiling height and perceived enclosure on beauty judgments and approach-avoidance decisions. Journal of Environmental Psychology, 2015, 41, 10-18.	2.3	139
41	The role of mirror neurons in neurosurgical patients: A few general considerations and rehabilitation perspectives. NeuroRehabilitation, 2014, 35, 665-671.	0.5	3
42	The Use of Fluorocarbons to Mitigate the Oxygen Dependence of Glucose Microbiosensors for Neuroscience Applications. Journal of the Electrochemical Society, 2014, 161, H689-H695.	1.3	13
43	Preparation of coreâ€“shell Fe₃O₄@poly(dopamine) magnetic nanoparticles for biosensor construction. Journal of Materials Chemistry B, 2014, 2, 739-746.	2.9	197
44	Quinoneâ€Rich Poly(dopamine) Magnetic Nanoparticles for Biosensor Applications. ChemPhysChem, 2014, 15, 3742-3752.	1.0	45
45	The mirror neuron system and motor dexterity: What happens?. Neuroscience, 2014, 275, 285-295.	1.1	17
46	Fast perspective recovery of text in natural scenes. Image and Vision Computing, 2013, 31, 714-724.	2.7	20
47	Activation of the human mirror neuron system during the observation of the manipulation of virtual tools in the absence of a visible effector limb. Neuroscience Letters, 2013, 555, 220-224.	1.0	19
48	Observation of Simple Intransitive Actions: The Effect of Familiarity. PLoS ONE, 2013, 8, e74485.	1.1	20
49	Surfactant-promoted Prussian Blue-modified carbon electrodes: Enhancement of electro-deposition step, stabilization, electrochemical properties and application to lactate microbiosensors for the neurosciences. Colloids and Surfaces B: Biointerfaces, 2012, 92, 180-189.	2.5	46
50	Improvement and characterization of surfactant-modified Prussian blue screen-printed carbon electrodes for selective H2O2 detection at low applied potentials. Journal of Electroanalytical Chemistry, 2012, 674, 48-56.	1.9	47
51	A low cost fMRI-compatible tracking system using the Nintendo Wii remote. Journal of Neuroscience Methods, 2011, 202, 173-181.	1.3	6
52	Simultaneous measurements of glucose, oxyhemoglobin and deoxyhemoglobin in exposed rat cortex. Journal of Neuroscience Methods, 2011, 202, 192-198.	1.3	13
53	Amperometric glucose microbiosensor based on a Prussian Blue modified carbon fiber electrode for physiological applications. Sensors and Actuators B: Chemical, 2011, 152, 137-143.	4.0	32
54	Microbiosensors for glucose based on Prussian Blue modified carbon fiber electrodes for in vivo monitoring in the central nervous system. Biosensors and Bioelectronics, 2010, 26, 748-753.	5.3	36

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55	Prussian Blue-modified microelectrodes for selective transduction in enzyme-based amperometric microbiosensors for in vivo neurochemical monitoring. Electrochimica Acta, 2010, 55, 6476-6484.	2.6	40
56	Learning a generic 3D face model from 2D image databases using incremental Structure-from-Motion. Image and Vision Computing, 2010, 28, 1117-1129.	2.7	18
57	Diffuse reflectance spectroscopy characterization of hemoglobin and intralipid solutions: in vitro measurements with continuous variation of absorption and scattering. Journal of Biomedical Optics, 2009, 14, 034026.	1.4	15
58	Bilinear Active Appearance Models. , 2007, , .		19
59	Different levodopa actions on the extracellular dopamine pools in the rat striatum. Synapse, 2007, 61, 61-71.	0.6	31
60	Nigrostriatal cell firing action on the dopamine transporter. European Journal of Neuroscience, 2007, 25, 2755-2765.	1.2	4
61	Heterogeneous Dopamine Neurochemistry in the Striatum: The Fountain-Drain Matrix. Journal of Pharmacology and Experimental Therapeutics, 2006, 319, 31-43.	1.3	17
62	Renal ischemia induces an increase in nitric oxide levels from tissue stores. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2005, 289, R1459-R1466.	0.9	27
63	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. Journal of Neuroscience Methods, 2004, 140, 75-80.	1.3	4
64	Changes in Mating Behavior, Erectile Function, and Nitric Oxide Levels in Penile Corpora Cavernosa in Streptozotocin-Diabetic Rats1. Biology of Reproduction, 2002, 66, 185-189.	1.2	68
65	In vivo electrochemical measurement of nitric oxide in corpus cavernosum penis. Journal of Neuroscience Methods, 2002, 119, 143-150.	1.3	20
66	In vivo spectroscopy: a novel approach for simultaneously estimating nitric oxide and hemodynamic parameters in the rat brain. Journal of Neuroscience Methods, 2002, 119, 151-161.	1.3	7
67	Opposite effects of low and high doses of arginine on glutamate-induced nitric oxide formation in rat substantia nigra. Neuroscience Letters, 2001, 314, 127-130.	1.0	21
68	Nitric oxide release in penile corpora cavernosa in a rat model of erection. Journal of Physiology, 1999, 516, 261-269.	1.3	40
69	Amphetamine increases the extracellular concentration of glutamate in striatum of the awake rat: involvement of high affinity transporter mechanisms. Neuropharmacology, 1999, 38, 943-954.	2.0	76
70	Development of a new space perception system for blind people, based on the creation of a virtual acoustic space. Lecture Notes in Computer Science, 1999, , 321-330.	1.0	46
71	Autotomy in rats following peripheral nerve transection is attenuated by preceding formalin injections into the same limb. Neuroscience Letters, 1998, 243, 125-128.	1.0	5
72	Constitutive NOS isoforms account for gastric mucosal NO overproduction in uremic rats. American Journal of Physiology - Renal Physiology, 1997, 272, G894-G901.	1.6	8

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73	In vivo monitoring of brain neurotransmitter release for the assessment of neuroendocrine interactions. Cellular and Molecular Neurobiology, 1996, 16, 383-396.	1.7	12
74	Neurochemical correlates of sexual exhaustion and recovery as assessed by in vivo microdialysis. Brain Research, 1995, 675, 13-19.	1.1	48
75	Voltammetric and microdialysis monitoring of brain monoamine neurotransmitter release during sociosexual interactions. Behavioural Brain Research, 1995, 71, 69-IN5.	1.2	71
76	Fixed Versus Removable Microdialysis Probes for In Vivo Neurochemical Analysis: Implications for Behavioral Studies. Journal of Neurochemistry, 1995, 64, 1899-1900.	2.1	2
77	Changes in monoamine turnover in forebrain areas associated with masculine sexual behavior: a microdialysis study. Brain Research, 1994, 662, 233-239.	1.1	63
78	Fixed Versus Removable Microdialysis Probes for In Vivo Neurochemical Analysis: Implications for Behavioral Studies. Journal of Neurochemistry, 1994, 63, 1407-1415.	2.1	39
79	Voltammetric monitoring of brain extracellular levels of serotonin, 5-hydroxyindoleacetic acid and uric acid as assessed by simultaneous microdialysis. Journal of Neuroscience Methods, 1992, 45, 159-164.	1.3	17
80	Sex-related olfactory stimuli induce a selective increase in dopamine release in the nucleus accumbens of male rats. A voltammetric study. Brain Research, 1991, 553, 313-317.	1.1	72
81	Anomalously High Concentrations of Brain Extracellular Uric Acid Detected with Chronically Implanted Probes: Implications for In Vivo Sampling Techniques. Journal of Neurochemistry, 1991, 57, 22-29.	2.1	42
82	Mathematical resolution of mixed in vivo voltammetry signals. Journal of Neuroscience Methods, 1991, 39, 231-244.	1.3	45
83	Increased dopamine release in the nucleus accumbens of copulating male rats as evidenced by in vivo voltammetry. Neuroscience Letters, 1990, 110, 303-308.	1.0	122
84	In vivo voltammetry study of the modulatory action of prolactin on the mesolimbic dopaminergic system. Brain Research Bulletin, 1990, 25, 729-733.	1.4	36
85	Post-mortem dopamine dynamics assessed by voltammetry and microdialysis. Brain Research Bulletin, 1989, 23, 323-327.	1.4	32
86	Concurrent on-line analysis of striatal ascorbate, dopamine and dihydroxyphenylacetic acid concentrations by in vivo voltammetry. Neuroscience Letters, 1988, 86, 61-66.	1.0	32