

Antoine G Godin

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

2,238
citations

257450

24
h-index

361022

35
g-index

39
all docs

39
docs citations

39
times ranked

3328
citing authors

#	ARTICLE	IF	CITATIONS
1	Morphine hyperalgesia gated through microglia-mediated disruption of neuronal Cl ⁻ homeostasis. <i>Nature Neuroscience</i> , 2013, 16, 183-192.	14.8	385
2	Super-resolution Microscopy Approaches for Live Cell Imaging. <i>Biophysical Journal</i> , 2014, 107, 1777-1784.	0.5	205
3	Single-nanotube tracking reveals the nanoscale organization of the extracellular space in the live brain. <i>Nature Nanotechnology</i> , 2017, 12, 238-243.	31.5	199
4	Efficacy of Synaptic Inhibition Depends on Multiple, Dynamically Interacting Mechanisms Implicated in Chloride Homeostasis. <i>PLoS Computational Biology</i> , 2011, 7, e1002149.	3.2	138
5	Stoichiometry of the Human Glycine Receptor Revealed by Direct Subunit Counting. <i>Journal of Neuroscience</i> , 2012, 32, 12915-12920.	3.6	109
6	Revealing protein oligomerization and densities in situ using spatial intensity distribution analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7010-7015.	7.1	101
7	Quantification of receptor tyrosine kinase transactivation through direct dimerization and surface density measurements in single cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 7016-7021.	7.1	79
8	Ultrashort Carbon Nanotubes That Fluoresce Brightly in the Near-Infrared. <i>ACS Nano</i> , 2018, 12, 6059-6065.	14.6	68
9	Sequence-responsive unzipping DNA cubes with tunable cellular uptake profiles. <i>Chemical Science</i> , 2014, 5, 2449-2455.	7.4	67
10	Optical manipulation of single flux quanta. <i>Nature Communications</i> , 2016, 7, 12801.	12.8	65
11	Probing the "Dark" Fraction of Core-Shell Quantum Dots by Ensemble and Single Particle pH-Dependent Spectroscopy. <i>ACS Nano</i> , 2011, 5, 9062-9073.	14.6	62
12	Regulation of Oligomeric Organization of the Serotonin 5-Hydroxytryptamine 2C (5-HT _{2C}) Receptor Observed by Spatial Intensity Distribution Analysis. <i>Journal of Biological Chemistry</i> , 2015, 290, 12844-12857.	3.4	55
13	Morphological and functional characterization of cholinergic interneurons in the dorsal horn of the mouse spinal cord. <i>Journal of Comparative Neurology</i> , 2011, 519, 3139-3158.	1.6	50
14	Metrological Investigation of the (6,5) Carbon Nanotube Absorption Cross Section. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 1460-1464.	4.6	49
15	Gephyrin Clusters Are Absent from Small Diameter Primary Afferent Terminals Despite the Presence of GABA _A Receptors. <i>Journal of Neuroscience</i> , 2014, 34, 8300-8317.	3.6	49
16	Loss of STEP61 couples disinhibition to N-methyl-d-aspartate receptor potentiation in rodent and human spinal pain processing. <i>Brain</i> , 2019, 142, 1535-1546.	7.6	48
17	Photoswitchable single-walled carbon nanotubes for super-resolution microscopy in the near-infrared. <i>Science Advances</i> , 2019, 5, eaax1166.	10.3	42
18	Differential chloride homeostasis in the spinal dorsal horn locally shapes synaptic metaplasticity and modality-specific sensitization. <i>Nature Communications</i> , 2020, 11, 3935.	12.8	41

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19	Enhancing neuronal chloride extrusion rescues $\hat{1}\pm 2/\hat{1}\pm 3$ GABAA-mediated analgesia in neuropathic pain. <i>Nature Communications</i> , 2020, 11, 869.	12.8	41
20	Enhancing KCC2 function counteracts morphine-induced hyperalgesia. <i>Scientific Reports</i> , 2017, 7, 3870.	3.3	40
21	Dynamic Regulation of Quaternary Organization of the M1 Muscarinic Receptor by Subtype-selective Antagonist Drugs. <i>Journal of Biological Chemistry</i> , 2016, 291, 13132-13146.	3.4	37
22	Comparative Analysis of Photoluminescence and Upconversion Emission from Individual Carbon Nanotubes for Bioimaging Applications. <i>ACS Photonics</i> , 2018, 5, 359-364.	6.6	33
23	Roundabout 1 exists predominantly as a basal dimeric complex and this is unaffected by binding of the ligand Slit2. <i>Biochemical Journal</i> , 2014, 461, 61-73.	3.7	30
24	Spatial Intensity Distribution Analysis Reveals Abnormal Oligomerization of Proteins in Single Cells. <i>Biophysical Journal</i> , 2015, 109, 710-721.	0.5	29
25	Sexual dimorphism in a neuronal mechanism of spinal hyperexcitability across rodent and human models of pathological pain. <i>Brain</i> , 2022, 145, 1124-1138.	7.6	26
26	Determination of Membrane Protein Transporter Oligomerization in Native Tissue Using Spatial Fluorescence Intensity Fluctuation Analysis. <i>PLoS ONE</i> , 2012, 7, e36215.	2.5	25
27	Semi-automated quantification of filopodial dynamics. <i>Journal of Neuroscience Methods</i> , 2008, 171, 165-173.	2.5	23
28	Evaluation of Different Single-Walled Carbon Nanotube Surface Coatings for Single-Particle Tracking Applications in Biological Environments. <i>Nanomaterials</i> , 2017, 7, 393.	4.1	21
29	Differential Expression of Acid $\hat{1}\hat{1}$ Sensing Ion Channels in Mouse Primary Afferents in Na $\hat{1}$ ve and Injured Conditions. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 103.	3.7	21
30	Quantification of Receptor Tyrosine Kinase Activation and Transactivation by G-Protein-Coupled Receptors Using Spatial Intensity Distribution Analysis (SpIDA). <i>Methods in Enzymology</i> , 2013, 522, 109-131.	1.0	20
31	Pulsatile Movement of the Optic Nerve Head and the Peripapillary Retina in Normal Subjects and in Glaucoma. , 2012, 53, 7819.		18
32	Reply to The small molecule CLP257 does not modify activity of the K $\hat{1}$ + $\hat{1}$ Cl $\hat{1}$ co-transporter KCC2 but does potentiate GABAA receptor activity. <i>Nature Medicine</i> , 2017, 23, 1396-1398.	30.7	15
33	Ligand-induced clustering of EGF receptors: A quantitative study by fluorescence image moment analysis. <i>Biophysical Chemistry</i> , 2012, 161, 50-53.	2.8	14
34	Innovative molecular-based fluorescent nanoparticles for multicolor single particle tracking in cells. <i>Journal Physics D: Applied Physics</i> , 2016, 49, 084002.	2.8	14
35	Spatial Intensity Distribution Analysis (SpIDA). <i>Methods in Cell Biology</i> , 2013, 117, 1-19.	1.1	10
36	Two-Color Spatial Cumulant Analysis Detects Heteromeric Interactions between Membrane Proteins. <i>Biophysical Journal</i> , 2019, 117, 1764-1777.	0.5	5

#	ARTICLE	IF	CITATIONS
37	(Invited) Tailoring of Single-Walled Carbon Nanotube Luminescence as Photoswitchable Near-Infrared Emitters. ECS Meeting Abstracts, 2021, MA2021-01, 586-586.	0.0	0