

Andre Zeug

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,918
citations

218381

26
h-index

174990

52
g-index

73
all docs

73
docs citations

73
times ranked

5341
citing authors

#	ARTICLE	IF	CITATIONS
1	Cardiac fibroblast-derived microRNA passenger strand-enriched exosomes mediate cardiomyocyte hypertrophy. <i>Journal of Clinical Investigation</i> , 2014, 124, 2136-2146.	3.9	803
2	Heterodimerization of serotonin receptors 5-HT1A and 5-HT7 differentially regulates receptor signalling and trafficking. <i>Journal of Cell Science</i> , 2012, 125, 2486-99.	1.2	163
3	Astroglial Glutamate Signaling and Uptake in the Hippocampus. <i>Frontiers in Molecular Neuroscience</i> , 2017, 10, 451.	1.4	148
4	Analysis of FRET Signals in the Presence of Free Donors and Acceptors. <i>Biophysical Journal</i> , 2008, 94, 986-1000.	0.2	130
5	The spinal muscular atrophy disease protein SMN is linked to the rho-kinase pathway via profilin. <i>Human Molecular Genetics</i> , 2011, 20, 4865-4878.	1.4	120
6	Blind Source Separation Techniques for the Decomposition of Multiply Labeled Fluorescence Images. <i>Biophysical Journal</i> , 2009, 96, 3791-3800.	0.2	113
7	Quantitative Intensity-Based FRET Approaches—A Comparative Snapshot. <i>Biophysical Journal</i> , 2012, 103, 1821-1827.	0.2	111
8	Attenuated palmitoylation of serotonin receptor 5-HT1A affects receptor function and contributes to depression-like behaviors. <i>Nature Communications</i> , 2019, 10, 3924.	5.8	100
9	Ratiometric high-resolution imaging of JC-1 fluorescence reveals the subcellular heterogeneity of astrocytic mitochondria. <i>Pflügers Archiv European Journal of Physiology</i> , 2011, 462, 693-708.	1.3	89
10	Revisiting adult neurogenesis and the role of erythropoietin for neuronal and oligodendroglial differentiation in the hippocampus. <i>Molecular Psychiatry</i> , 2016, 21, 1752-1767.	4.1	86
11	Toll-Like Receptor Prestimulation Increases Phagocytosis of <i>Escherichia coli</i> DH5 α and <i>Escherichia coli</i> K1 Strains by Murine Microglial Cells. <i>Infection and Immunity</i> , 2009, 77, 557-564.	1.0	70
12	On the Influence of Higher Excited States on the ISC Quantum Yield of Octaalkyloxy-substituted ZnPhthalocyanine Molecules Studied by Nonlinear Absorption. <i>Photochemistry and Photobiology</i> , 1997, 66, 576-584.	1.3	59
13	Stimulation- and palmitoylation-dependent changes in oligomeric conformation of serotonin 5-HT1A receptors. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2008, 1783, 1503-1516.	1.9	48
14	Control of astrocyte morphology by Rho GTPases. <i>Brain Research Bulletin</i> , 2018, 136, 44-53.	1.4	48
15	Computational and Experimental Analysis of the Transmembrane Domain 4/5 Dimerization Interface of the Serotonin 5-HT _{1A} Receptor. <i>Molecular Pharmacology</i> , 2012, 82, 448-463.	1.0	47
16	Genetically encoded FRET-based biosensor for imaging MMP-9 activity. <i>Biomaterials</i> , 2014, 35, 1402-1410.	5.7	42
17	mTORC1 activity is supported by spatial association with focal adhesions. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	41
18	Cleavage of Hyaluronan and CD44 Adhesion Molecule Regulate Astrocyte Morphology via Rac1 Signalling. <i>PLoS ONE</i> , 2016, 11, e0155053.	1.1	41

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19	Preparation and photophysical properties of halogenated silicon(IV) phthalocyanines substituted axially with poly(ethylene glycol) chains. <i>Tetrahedron Letters</i> , 2003, 44, 1967-1970.	0.7	38
20	Local Resting Ca ²⁺ Controls the Scale of Astroglial Ca ²⁺ Signals. <i>Cell Reports</i> , 2020, 30, 3466-3477.e4.	2.9	38
21	Non-linear and transient absorption spectroscopy of magnesium(II)-tetrabenzoporphyrin in solution. <i>Optics Communications</i> , 1998, 155, 135-143.	1.0	37
22	Homodimerization of the Src Homology 3 Domain of the Calcium Channel \hat{I}^2 -Subunit Drives Dynamin-dependent Endocytosis. <i>Journal of Biological Chemistry</i> , 2011, 286, 22203-22210.	1.6	33
23	Spermidine protects from age-related synaptic alterations at hippocampal mossy fiber-CA3 synapses. <i>Scientific Reports</i> , 2019, 9, 19616.	1.6	33
24	Resolution in the ApoTome and the confocal laser scanning microscope: comparison. <i>Journal of Biomedical Optics</i> , 2009, 14, 014022.	1.4	31
25	Optical Action Potential Screening on Adult Ventricular Myocytes as an Alternative QT-screen. <i>Cellular Physiology and Biochemistry</i> , 2011, 27, 281-290.	1.1	30
26	Quantitative Measurement of cAMP Concentration Using an Exchange Protein Directly Activated by a cAMP-Based FRET-Sensor. <i>Biophysical Journal</i> , 2008, 95, 5412-5423.	0.2	28
27	An Ion-insensitive cAMP Biosensor for Long Term Quantitative Ratiometric Fluorescence Resonance Energy Transfer (FRET) Measurements under Variable Physiological Conditions. <i>Journal of Biological Chemistry</i> , 2011, 286, 23419-23431.	1.6	28
28	Serotonin 5-HT ₄ receptor boosts functional maturation of dendritic spines via RhoA-dependent control of F-actin. <i>Communications Biology</i> , 2020, 3, 76.	2.0	26
29	Photophysics on surfaces: Absorption and luminescence properties of Pheophorbide-a on cellulose. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 1524-1529.	1.3	25
30	Fluorinated indole-imidazole conjugates: Selective orally bioavailable 5-HT ₇ receptor low-basicity agonists, potential neuropathic painkillers. <i>European Journal of Medicinal Chemistry</i> , 2019, 170, 261-275.	2.6	22
31	The guanine nucleotide exchange factor Vav3 modulates oligodendrocyte precursor differentiation and supports remyelination in white matter lesions. <i>Glia</i> , 2019, 67, 376-392.	2.5	22
32	A generalization of the Jablonski diagram to account for polarization and anisotropy effects in time-resolved experiments. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2964-2969.	1.3	21
33	An Axially Grafted Charm Bracelet Type Indium Phthalocyanine Copolymer. <i>Macromolecules</i> , 2003, 36, 3786-3788.	2.2	18
34	Fibronectin stimulates <i>Escherichia coli</i> phagocytosis by microglial cells. <i>Glia</i> , 2010, 58, 367-376.	2.5	18
35	Large scale, unbiased analysis of elementary calcium signaling events in cardiac myocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2019, 135, 79-89.	0.9	17
36	C2-domain mediated nano-cluster formation increases calcium signaling efficiency. <i>Scientific Reports</i> , 2016, 6, 36028.	1.6	15

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37	Serotonin receptor 4 regulates hippocampal astrocyte morphology and function. <i>Glia</i> , 2021, 69, 872-889.	2.5	15
38	Amelioration of Tau pathology and memory deficits by targeting 5-HT7 receptor. <i>Progress in Neurobiology</i> , 2021, 197, 101900.	2.8	15
39	Microcrystalline cellulose as a carrier for hydrophobic photosensitizers in water. <i>Photochemical and Photobiological Sciences</i> , 2002, 1, 198-203.	1.6	14
40	Serotonin receptor oligomerization regulates cAMP-based signaling. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	14
41	Analysis of Receptorâ€œReceptor Interaction by Combined Application of FRET and Microscopy. <i>Methods in Cell Biology</i> , 2013, 117, 243-265.	0.5	13
42	eSIP: A Novel Solution-Based Sectioned Image Property Approach for Microscope Calibration. <i>PLoS ONE</i> , 2015, 10, e0134980.	1.1	10
43	Knowledge-Based Design of Long-Chain Arylpiperazine Derivatives Targeting Multiple Serotonin Receptors as Potential Candidates for Treatment of Autism Spectrum Disorder. <i>ACS Chemical Neuroscience</i> , 2021, 12, 1313-1327.	1.7	10
44	3dSpAn: An interactive software for 3D segmentation and analysis of dendritic spines. <i>Neuroinformatics</i> , 2022, 20, 679-698.	1.5	10
45	DHHC7-mediated palmitoylation of the accessory protein barttin critically regulates the functions of ClC-K chloride channels. <i>Journal of Biological Chemistry</i> , 2020, 295, 5970-5983.	1.6	9
46	Calciumâ€œsensing receptor regulates intestinal dipeptide absorption via Ca ²⁺ signaling and IK _{Ca} activation. <i>Physiological Reports</i> , 2020, 8, e14337.	0.7	8
47	Orientalional relaxation of pheophorbide-a molecules in the ground and in the first excited state measured by transient dichroism spectroscopy. <i>Optics Communications</i> , 1999, 170, 361-372.	1.0	7
48	Picosecond transient dichroism and birefringence spectroscopy on pheophorbide-a molecules in solution. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2001, 3, S251-S258.	1.4	6
49	Blind Decomposition of Spectral Imaging Microscopy: A Study on Artificial and Real Test Data. <i>Lecture Notes in Computer Science</i> , 2009, , 548-556.	1.0	6
50	Optogenetic Tools in the Microscopy of Cardiac Excitation-Contraction Coupling. , 2018, , 97-117.		6
51	Fluorescence anisotropy and transient absorption of halogenated silicon(IV) phthalocyanines with axial poly(ethylene-glycol) substituents. <i>Journal of Porphyrins and Phthalocyanines</i> , 2005, 09, 298-302.	0.4	5
52	Current microscopic methods for the neural ECM analysis. <i>Progress in Brain Research</i> , 2014, 214, 287-312.	0.9	4
53	The 5-HT4 receptor interacts with adhesion molecule L1 to modulate morphogenic signaling in neurons. <i>Journal of Cell Science</i> , 2021, 134, .	1.2	4
54	Blind Source Separation Techniques For The Decomposition Of Multiply Labeled Fluorescence Images. <i>Biophysical Journal</i> , 2009, 96, 32a.	0.2	3

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55	Elucidating regulators of astrocytic Ca ²⁺ signaling via multi-threshold event detection (<sc>MTED</sc>). <i>Glia</i> , 2021, 69, 2798-2811.	2.5	3
56	Supramolecular assembly of GSK3 β as a cellular response to amino acid starvation. <i>Molecular Cell</i> , 2022, 82, 2858-2870.e8.	4.5	3
57	Observation of the phase transition in phospholipid liposomes taking advantage of the particular optical properties of octa- β -butyloxy-H ₂ phthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2001, 05, 663-667.	0.4	2
58	Optical Measurement of Action Potential in Adult Ventricular Myocytes. <i>Biophysical Journal</i> , 2011, 100, 292a.	0.2	2
59	Overexpression of the Endosomal Anion/Proton Exchanger ClC-5 Increases Cell Susceptibility toward <i>Clostridium difficile</i> Toxins TcdA and TcdB. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 67.	1.8	2
60	Highly efficient optical reconstruction of digital holograms for deformation and shape control. , 2003, , .		1
61	Automatic Calcium Spark Detection and Analysis in Time Series of Two-Dimensional Confocal Images. <i>Biophysical Journal</i> , 2009, 96, 278a.	0.2	1
62	Oligomerization and Spatial Distribution of Kv ^{1.1} and Kv ^{2.1} Regulatory Subunits. <i>Frontiers in Physiology</i> , 0, 13, .	1.3	1
63	Model for the Oligomer Formation of Serotonin Receptors Based on Quantitative lux-FRET Measurements. <i>Biophysical Journal</i> , 2012, 102, 515a.	0.2	0
64	Large-Scale, Automated Calcium Spark Analysis using iSpark Reveals Functional and Spatial Remodeling During Cardiac Hypertrophy. <i>Biophysical Journal</i> , 2015, 108, 340a.	0.2	0
65	Role of Membrane Microdomains in Serotonin Receptor Functions. <i>Springer Series in Biophysics</i> , 2017, , 259-286.	0.4	0
66	Inducible Phase Separation of GSK3 β As a Mechanism for Asparaginase Resistance in Acute Leukemias. <i>Blood</i> , 2019, 134, 169-169.	0.6	0
67	Abstract PR06: Spatial sequestration of GSK3 β as a cellular response to amino acid starvation. , 2020, , .		0