Hjalmar Brismar

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7457727/publications.pdf

Version: 2024-02-01

171	8,129	53794	54911
papers	citations	45 h-index	84 g-index

175	175	175	10636
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evidence for neurogenesis in the adult mammalian substantia nigra. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 7925-7930.	7.1	539
2	Anatomical and physiological evidence for D1 and D2 dopamine receptor colocalization in neostriatal neurons. Nature Neuroscience, 2000, 3, 226-230.	14.8	366
3	Glial origin of mesenchymal stem cells in a tooth model system. Nature, 2014, 513, 551-554.	27.8	347
4	Functional Integration of Adult-Born Neurons. Current Biology, 2002, 12, 606-608.	3.9	268
5	Ouabain, a steroid hormone that signals with slow calcium oscillations. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 13420-13424.	7.1	260
6	Î±-Haemolysin of uropathogenic E. coli induces Ca2+ oscillations in renal epithelial cells. Nature, 2000, 405, 694-697.	27.8	238
7	Distribution and neuropeptide coexistence of nucleobindin-2 mRNA/nesfatin-like immunoreactivity in the rat CNS. Neuroscience, 2008, 156, 563-579.	2.3	227
8	Proliferation and viability of adherent cells manipulated by standing-wave ultrasound in a microfluidic chip. Ultrasound in Medicine and Biology, 2007, 33, 145-151.	1.5	207
9	Water permeability of aquaporin-4 is decreased by protein kinase C and dopamine. American Journal of Physiology - Renal Physiology, 2002, 283, F309-F318.	2.7	168
10	The newborn infant is protected by an innate antimicrobial barrier: peptide antibiotics are present in the skin and vernix caseosa. British Journal of Dermatology, 2002, 147, 1127-1134.	1.5	158
11	Selective up-regulation of dopamine D1 receptors in dendritic spines by NMDA receptor activation. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 1661-1664.	7.1	154
12	Breast cancer quantitative proteome and proteogenomic landscape. Nature Communications, 2019, 10, 1600.	12.8	152
13	Cell Signaling Microdomain with Na,K-ATPase and Inositol 1,4,5-Trisphosphate Receptor Generates Calcium Oscillations. Journal of Biological Chemistry, 2003, 278, 50355-50361.	3.4	150
14	Identification of a molecular target for glutamate regulation of astrocyte water permeability. Glia, 2008, 56, 587-596.	4.9	137
15	Toward a Confocal Subcellular Atlas of the Human Proteome. Molecular and Cellular Proteomics, 2008, 7, 499-508.	3.8	122
16	Role of oxidative stress in advanced glycation end product-induced mesangial cell activation. Kidney International, 2002, 61, 2006-2014.	5.2	121
17	Allosteric changes of the NMDA receptor trap diffusible dopamine 1 receptors in spines. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 762-767.	7.1	115
18	Norbin Is an Endogenous Regulator of Metabotropic Glutamate Receptor 5 Signaling. Science, 2009, 326, 1554-1557.	12.6	114

#	Article	IF	Citations
19	Erythropoietin modulation of astrocyte water permeability as a component of neuroprotection. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 1602-1607.	7.1	113
20	Dopamine-induced recruitment of dopamine D1 receptors to the plasma membrane. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5573-5578.	7.1	110
21	Self-assembling Fmoc dipeptide hydrogel for in situ 3D cell culturing. BMC Biotechnology, 2007, 7, 88.	3.3	108
22	A Specific and Essential Role for Na,K-ATPase Î±3 in Neurons Co-expressing Î±1 and Î±3. Journal of Biological Chemistry, 2013, 288, 2734-2743.	3.4	105
23	Phage display selection of Affibody molecules with specific binding to the extracellular domain of the epidermal growth factor receptor. Protein Engineering, Design and Selection, 2007, 20, 189-199.	2.1	103
24	A molecular mechanism explaining albuminuria in kidney disease. Nature Metabolism, 2020, 2, 461-474.	11.9	99
25	The Synaptonemal Complex Protein SCP3 Can Form Multistranded, Cross-striated Fibers In Vivo. Journal of Cell Biology, 1998, 142, 331-339.	5.2	98
26	Mechanical properties of primary cilia regulate the response to fluid flow. American Journal of Physiology - Renal Physiology, 2010, 298, F1096-F1102.	2.7	93
27	A single fixation protocol for proteome-wide immunofluorescence localization studies. Journal of Proteomics, 2010, 73, 1067-1078.	2.4	89
28	Na⁺-K⁺-ATPase, a new class of plasma membrane receptors. American Journal of Physiology - Cell Physiology, 2016, 310, C491-C495.	4.6	88
29	Co-existence of heparin-binding epidermal growth factor-like growth factor and pinopodes in human endometrium at the time of implantation. Molecular Human Reproduction, 2002, 8, 765-769.	2.8	87
30	Functional and molecular interactions between aquaporins and Na,K-ATPase. Neuroscience, 2010, 168, 915-925.	2.3	86
31	The direct anterior approach: initial experience of a minimally invasive technique for total hip arthroplasty. Journal of Orthopaedic Surgery and Research, 2012, 7, 17.	2.3	83
32	Super-resolution stimulated emission depletion imaging of slit diaphragm proteins in optically cleared kidney tissue. Kidney International, 2016, 89, 243-247.	5.2	80
33	Receptor recruitment: A mechanism for interactions between G protein-coupled receptors. Proceedings of the National Academy of Sciences of the United States of America, 1999, 96, 7271-7275.	7.1	75
34	Cellular studies of binding, internalization and retention of a radiolabeled EGFR-binding affibody molecule. Nuclear Medicine and Biology, 2007, 34, 609-618.	0.6	72
35	Ouabain protects against adverse developmental programming of the kidney. Nature Communications, 2010, 1, 42.	12.8	71
36	Analysis of neural crestâ€“derived clones reveals novel aspects of facial development. Science Advances, 2016, 2, e1600060.	10.3	68

#	Article	IF	Citations
37	Spatial distribution of Na+-K+-ATPase in dendritic spines dissected by nanoscale superresolution STED microscopy. BMC Neuroscience, 2011, 12, 16.	1.9	67
38	Osmotic water permeability measurements using confocal laser scanning microscopy. European Biophysics Journal, 2000, 29, 165-171.	2.2	66
39	Engineering and characterization of a bispecific HER2 Ã— EGFRâ€binding affibody molecule. Biotechnology and Applied Biochemistry, 2009, 54, 121-131.	3.1	58
40	Neural Stem Cells: A Potential Source for Remyelination in Neuroinflammatory Disease. Brain Pathology, 2003, 13, 322-328.	4.1	57
41	Changes in Neuropeptide Y Receptors and Pro-Opiomelanocortin in the Anorexia (anx/anx) Mouse Hypothalamus. Journal of Neuroscience, 1999, 19, 7130-7139.	3.6	56
42	Role of Na,K-ATPase Î±1 and Î±2 Isoforms in the Support of Astrocyte Glutamate Uptake. PLoS ONE, 2014, 9, e98469.	2.5	51
43	Spectra and fluorescence lifetimes of lissamine rhodamine, tetramethylrhodamine isothiocyanate, texas red, and cyanine 3.18 fluorophores: influences of some environmental factors recorded with a confocal laser scanning microscope.. Journal of Histochemistry and Cytochemistry, 1995, 43, 699-707.	2.5	49
44	Inertial microfluidics in parallel channels for high-throughput applications. Lab on A Chip, 2012, 12, 4644.	6.0	49
45	Confocal super-resolution imaging of the glomerular filtration barrier enabled by tissueÂexpansion. Kidney International, 2018, 93, 1008-1013.	5.2	47
46	Dopamine-induced translocation of protein kinase C isoforms visualized in renal epithelial cells. American Journal of Physiology - Cell Physiology, 2000, 279, C1812-C1818.	4.6	46
47	Microchip Screening Platform for Single Cell Assessment of NK Cell Cytotoxicity. Frontiers in Immunology, 2016, 7, 119.	4.8	46
48	Prevention of apoptosis averts glomerular tubular disconnection and podocyte loss in proteinuric kidney disease. Kidney International, 2016, 90, 135-148.	5.2	46
49	Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. ELife, 2017, 6, .	6.0	46
50	Ankyrin B Modulates the Function of Na,K-ATPase/Inositol 1,4,5-Trisphosphate Receptor Signaling Microdomain. Journal of Biological Chemistry, 2008, 283, 11461-11468.	3.4	45
51	X-ray phase contrast for CO₂microangiography. Physics in Medicine and Biology, 2012, 57, 2603-2617.	3.0	45
52	Microfluidic-based isolation of bacteria from whole blood for sepsis diagnostics. Biotechnology Letters, 2015, 37, 825-830.	2.2	45
53	Nearest neighbor analysis of dopamine D1 receptors and Na⁺â€K⁺â€ATPases in dendritic spines dissected by STED microscopy. Microscopy Research and Technique, 2012, 75, 220-228.	2.2	42
54	Multifocus structured illumination microscopy for fast volumetric super-resolution imaging. Biomedical Optics Express, 2017, 8, 4135.	2.9	42

#	Article	IF	Citations
55	PCR amplification and genetic analysis in a microwell cell culturing chip. Lab on A Chip, 2009, 9, 3465.	6.0	41
56	Adsorption and Mobility of a Lipase at a Hydrophobic Surface in the Presence of Surfactants. Langmuir, 2006, 22, 5810-5817.	3.5	40
57	A comparison between dual polarization interferometry (DPI) and surface plasmon resonance (SPR) for protein adsorption studies. Colloids and Surfaces B: Biointerfaces, 2007, 54, 236-240.	5.0	39
58	Calcium oscillations triggered by cardiotonic steroids. FEBS Journal, 2013, 280, 5450-5455.	4.7	39
59	Proteinâ€“surfactant interactions at hydrophobic interfaces studied with total internal reflection fluorescence correlation spectroscopy (TIR-FCS). Journal of Colloid and Interface Science, 2008, 317, 449-457.	9.4	37
60	Ouabain Protects against Shiga Toxinâ€“Triggered Apoptosis by Reversing the Imbalance between Bax and Bcl-xL. Journal of the American Society of Nephrology: JASN, 2013, 24, 1413-1423.	6.1	37
61	High density of <scp>REC</scp>8 constrains sister chromatid axes and prevents illegitimate synaptonemal complex formation. EMBO Reports, 2016, 17, 901-913.	4.5	37
62	A microfluidic device for parallel 3â€Ð cell cultures in asymmetric environments. Electrophoresis, 2007, 28, 4705-4712.	2.4	36
63	Analysis of transient migration behavior of natural killer cells imaged in situ and in vitro. Integrative Biology (United Kingdom), 2011, 3, 770.	1.3	35
64	A concept for miniaturized 3-D cell culture using an extracellular matrix gel. Electrophoresis, 2005, 26, 4751-4758.	2.4	34
65	Visualization of custom-tailored iron oxide nanoparticles chemistry, uptake, and toxicity. Nanoscale, 2012, 4, 7383.	5.6	34
66	Developmental Changes in HIF Transcription Factor in Carotid Body: Relevance for O2 Sensing by Chemoreceptors. Pediatric Research, 2005, 58, 53-57.	2.3	33
67	Characterization of Probe Binding and Comparison of Its Influence on Fluorescence Lifetime of Two pH-Sensitive Benzo[c]xanthene Dyes Using Intensity-Modulated Multiple-Wavelength Scanning Technique. Analytical Biochemistry, 2000, 283, 104-110.	2.4	32
68	Confocal pH imaging of microscopic specimens using fluorescence lifetimes and phase fluorometry: influence of parameter choice on system performance. Journal of Microscopy, 2000, 199, 106-114.	1.8	32
69	A novel flow cytometry-based method for analysis of expression levels in Escherichia coli, giving information about precipitated and soluble protein. Journal of Biotechnology, 2005, 119, 133-146.	3.8	32
70	Blinking, Flickering, and Correlation in Fluorescence of Single Colloidal CdSe Quantum Dots with Different Shells under Different Excitations. Journal of Physical Chemistry C, 2013, 117, 4844-4851.	3.1	30
71	Fluorescence lifetime measurements in confocal microscopy of neurons labeled with multiple fluorophores. Nature Biotechnology, 1997, 15, 373-377.	17.5	29
72	MECHANISMS BY WHICH INTRARENAL DOPAMINE AND ANP INTERACT TO REGULATE SODIUM METABOLISM. Clinical and Experimental Hypertension, 2000, 22, 303-307.	1.3	29

#	Article	IF	Citations
73	Increased Expression of HMGBâ€1 in the Skin Lesions of Erythema Toxicum. Pediatric Dermatology, 2007, 24, 474-482.	0.9	29
74	<scp>STED</scp> microscopy: increased resolution for medical research?. Journal of Internal Medicine, 2014, 276, 560-578.	6.0	29
75	Release and Molecular Transport of Cationic and Anionic Fluorescent Molecules in Mesoporous Silica Spheres. Langmuir, 2008, 24, 11096-11102.	3.5	28
76	Hypoxic preconditioning increases gap-junctional graft and host communication. NeuroReport, 2010, 21, 1126-1132.	1.2	28
77	Compaction of rolling circle amplification products increases signal integrity and signal-to-noise ratio. Scientific Reports, 2015, 5, 12317.	3.3	27
78	High-Resolution Imaging of Tumor Spheroids and Organoids Enabled by Expansion Microscopy. Frontiers in Molecular Biosciences, 2020, 7, 208.	3.5	27
79	Staphylococcus epidermidis Isolated From Newborn Infants Express Pilus-Like Structures and Are Inhibited by the Cathelicidin-Derived Antimicrobial Peptide LL37. Pediatric Research, 2009, 66, 174-178.	2.3	26
80	Extracellular vesicles from mast cells induce mesenchymal transition in airway epithelial cells. Respiratory Research, 2020, 21, 101.	3.6	26
81	Spatial Distribution of DARPP-32 in Dendritic Spines. PLoS ONE, 2013, 8, e75155.	2.5	25
82	Intrarenal dopamine coordinates the effect of antinatriuretic and natriuretic factors. Acta Physiologica Scandinavica, 2000, 168, 215-218.	2.2	24
83	Modeling the impact of store-operated Ca2+ entry on intracellular Ca2+ oscillations. Mathematical Biosciences, 2006, 204, 232-249.	1.9	24
84	Tracking Single Lipase Molecules on a Trimyristin Substrate Surface Using Quantum Dots. Langmuir, 2007, 23, 8352-8356.	3.5	24
85	Reversible Modification of CdSeâ€“CdS/ZnS Quantum Dot Fluorescence by Surrounding Ca²⁺ Ions. Journal of Physical Chemistry C, 2014, 118, 10424-10433.	3.1	24
86	Characterization of VCAM-1-Binding Peptide-Functionalized Quantum Dots for Molecular Imaging of Inflamed Endothelium. PLoS ONE, 2013, 8, e83805.	2.5	24
87	Adsorption and activity of Thermomyces lanuginosus lipase on hydrophobic and hydrophilic surfaces measured with dual polarization interferometry (DPI) and confocal microscopy. Colloids and Surfaces B: Biointerfaces, 2008, 61, 208-215.	5.0	23
88	Functional differences between D1 and D5 revealed by high resolution imaging on live neurons. Neuroscience, 2009, 164, 463-469.	2.3	23
89	Luminescence properties of the Cu4I62â^' cluster. CrystEngComm, 2011, 13, 4729.	2.6	22
90	Recruitment of renal dopamine 1 receptors requires an intact microtubulin network. Pflugers Archiv European Journal of Physiology, 2003, 445, 534-539.	2.8	21

#	Article	IF	Citations
91	Mechanisms of fluorescence decays of colloidal CdSeâ€“CdS/ZnS quantum dots unraveled by time-resolved fluorescence measurement. Physical Chemistry Chemical Physics, 2015, 17, 27588-27595.	2.8	21
92	In Situ Microscopic Analysis of Asbestos and Synthetic Vitreous Fibers Retained in Hamster Lungs Following Inhalation. Environmental Health Perspectives, 1999, 107, 367.	6.0	20
93	Modulation of Na+,K+-ATPase activity is of importance for RVD. Acta Physiologica Scandinavica, 2004, 180, 329-334.	2.2	20
94	Plekhh2, a novel podocyte protein downregulated in human focal segmental glomerulosclerosis, is involved in matrix adhesion and actin dynamics. Kidney International, 2012, 82, 1071-1083.	5.2	20
95	Nanoscopic spine localization of Norbin, an mGluR5 accessory protein. BMC Neuroscience, 2014, 15, 45.	1.9	20
96	Lipase Surface Diffusion Studied by Fluorescence Recovery after Photobleaching. Langmuir, 2005, 21, 11949-11956.	3.5	19
97	Radiative and nonradiative recombination of photoexcited excitons in multi-shellâ€“coated CdSe/CdS/ZnS quantum dots. Europhysics Letters, 2009, 86, 37003.	2.0	19
98	Selection and characterization of AffibodyÂ® ligands to the transcription factor c-Jun. Biotechnology and Applied Biochemistry, 2009, 52, 17.	3.1	19
99	A Noncanonical Postsynaptic Transport Route for a GPCR Belonging to the Serotonin Receptor Family. Journal of Neuroscience, 2012, 32, 17998-18008.	3.6	18
100	A fast and simple clearing and swelling protocol for 3D in-situ imaging of the kidney across scales. Kidney International, 2021, 99, 1010-1020.	5.2	18
101	Identification of a discrete subpopulation of spinal cord ependymal cells with neural stem cell properties. Cell Reports, 2022, 38, 110440.	6.4	18
102	Acoustofluidics 18: Microscopy for acoustofluidic micro-devices. Lab on A Chip, 2012, 12, 3221.	6.0	17
103	Ouabainâ€regulated phosphoproteome reveals molecular mechanisms for Na ⁺ , K ⁺ â€ATPase control of cell adhesion, proliferation, and survival. FASEB Journal, 2019, 33, 10193-10206.	0.5	17
104	Pain patterns in lumbar disc hernia: Drawings compared to surgical findings in 159 patients. Acta Orthopaedica, 1996, 67, 470-472.	1.4	16
105	Mobility ofThermomyces lanuginosusLipase on a Trimyristin Substrate Surface. Langmuir, 2007, 23, 2706-2713.	3.5	16
106	Imaging the Detergency of Single Cotton Fibers with Confocal Microscopy: the Effect of Surfactants and Lipases. Journal of Surfactants and Detergents, 2007, 10, 211-218.	2.1	16
107	Native and functionalized micrometre-sized cellulose capsules prepared by microfluidic flow focusing. RSC Advances, 2014, 4, 19061-19067.	3.6	16
108	In Situ Encapsulation of Nile Red or Doxorubicin during RAFTâ€Mediated Emulsion Polymerization via Polymerizationâ€Induced Selfâ€Assembly for Biomedical Applications. Macromolecular Chemistry and Physics, 2020, 221, 1900443.	2.2	16

#	Article	IF	Citations
109	Acid Dissociation of 3-Mercaptopropionic Acid Coated CdSeâ€“CdS/Cd_{0.5}Zn_{0.5}S/ZnS Coreâ€“Multishell Quantum Dot and Strong Ionic Interaction with Ca²⁺ Ion. Journal of Physical Chemistry C, 2016, 120, 3519-3529.	3.1	15
110	Prompt apoptotic response to high glucose in SGLT-expressing renal cells. American Journal of Physiology - Renal Physiology, 2019, 316, F1078-F1089.	2.7	15
111	Î²-Adrenoceptor agonist sensitizes the dopamine-1 receptor in renal tubular cells. Acta Physiologica Scandinavica, 2002, 175, 333-340.	2.2	14
112	Urticaria Neonatorum: Accumulation of tryptaseâ€expressing mast cells in the skin lesions of newborns with Erythema Toxicum. Pediatric Allergy and Immunology, 2007, 18, 652-658.	2.6	14
113	FGF1 containing biodegradable device with peripheral nerve grafts induces corticospinal tract regeneration and motor evoked potentials after spinal cord resection. Restorative Neurology and Neuroscience, 2012, 30, 91-102.	0.7	14
114	Microfluidic devices for studies of primary cilium mediated cellular response to dynamic flow conditions. Biomedical Microdevices, 2008, 10, 555-560.	2.8	13
115	Ouabain Modulates the Functional Interaction Between Na,K-ATPase and NMDA Receptor. Molecular Neurobiology, 2020, 57, 4018-4030.	4.0	13
116	Measuring true localization accuracy in super resolution microscopy with DNA-origami nanostructures. New Journal of Physics, 2017, 19, 025013.	2.9	12
117	Functional porous membranes from amorphous linear dendritic polyester hybrids. Polymer Chemistry, 2015, 6, 2390-2395.	3.9	11
118	Sodium pump organization in dendritic spines. Neurophotonics, 2016, 3, 041803.	3.3	11
119	Postâ€metaphase correction of aberrant kinetochoreâ€microtubule attachments in mammalian eggs. EMBO Reports, 2019, 20, e47905.	4.5	11
120	Photophysical and photochemical parameters of octakis (benzylthio) phthalocyaninato zinc, aluminium and tin: Red shift index concept in solvent effect on the ground state absorption of zinc phthalocyanine derivatives. Journal of Molecular Structure, 2010, 984, 1-14.	3.6	10
121	Sexual dimorphism in the width of the mouse synaptonemal complex. Journal of Cell Science, 2018, 131, .	2.0	10
122	SMLocalizer, a GPU accelerated ImageJ plugin for single molecule localization microscopy. Bioinformatics, 2018, 34, 137-138.	4.1	10
123	Mending Fences: Na,K-ATPase signaling via Ca2+ in the maintenance of epithelium integrity. Cell Calcium, 2020, 88, 102210.	2.4	10
124	Intracellular dynamics of calcyon, a neuron-specific vesicular protein. NeuroReport, 2007, 18, 1547-1551.	1.2	9
125	Fluorescent protein pair emit intracellular FRET signal suitable for FACS screening. Biochemical and Biophysical Research Communications, 2007, 352, 449-455.	2.1	9
126	Thickness estimation of fluorescent sections using a CSLM. Journal of Microscopy, 2008, 184, 106-116.	1.8	9

#	Article	IF	Citations
127	A missense mutation converts the Na+,K+-ATPase into an ion channel and causes therapy-resistant epilepsy. Journal of Biological Chemistry, 2021, 297, 101355.	3.4	9
128	Intraparticle Transport and Release of Dextran in Silica Spheres with Cylindrical Mesopores. Langmuir, 2010, 26, 466-470.	3.5	8
129	Observation of Bunched Blinking from Individual CdSe/CdS and CdSe/ZnS Colloidal Quantum Dots. Journal of Physical Chemistry C, 2012, 116, 12786-12790.	3.1	8
130	Transport and release of colloidal 3-mercaptopropionic acid-coated CdSe–CdS/ZnS core-multishell quantum dots in human umbilical vein endothelial cells. International Journal of Nanomedicine, 2017, Volume 12, 8615-8629.	6.7	8
131	Regulation of Neuronal Na,K-ATPase by Extracellular Scaffolding Proteins. International Journal of Molecular Sciences, 2018, 19, 2214.	4.1	8
132	Nanoscale elucidation of Na,K-ATPase isoforms in dendritic spines. Optical Nanoscopy, 2013, 2, 6.	4.0	7
133	Study of protein and RNA in dendritic spines using multi-isotope imaging mass spectrometry. Surface and Interface Analysis, 2014, 46, 158-160.	1.8	7
134	Spontaneous calcium activity in metanephric mesenchymal cells regulates branching morphogenesis in the embryonic kidney. FASEB Journal, 2019, 33, 4089-4096.	0.5	7
135	Super-Resolution Imaging of the Filtration Barrier Suggests a Role for Podocin R229Q in Genetic Predisposition to Glomerular Disease. Journal of the American Society of Nephrology: JASN, 2022, 33, 138-154.	6.1	7
136	Modulated Fluorescence of Colloidal Quantum Dots Embedded in a Porous Alumina Membrane. Journal of Physical Chemistry B, 2013, 117, 14151-14156.	2.6	6
137	Bioelectric and Morphological Response of Liquid-Covered Human Airway Epithelial Calu-3 Cell Monolayer to Periodic Deposition of Colloidal 3-Mercaptopropionic-Acid Coated CdSe-CdS/ZnS Core-Multishell Quantum Dots. PLoS ONE, 2016, 11, e0149915.	2.5	6
138	Influence of surface states on blinking characteristics of single colloidal CdSe-CdS/ZnS core-multishell quantum dot. Journal of Colloid and Interface Science, 2017, 505, 528-536.	9.4	6
139	RNA-seq reveals altered gene expression levels in proximal tubular cell cultures compared to renal cortex but not during early glucotoxicity. Scientific Reports, 2020, 10, 10390.	3.3	5
140	Ageâ€dependent aneuploidy in mammalian oocytes instigated at the second meiotic division. Aging Cell, 0, , .	6.7	5
141	Nitric oxide inhibits potassium transport in the rat distal colon. American Journal of Physiology - Renal Physiology, 1999, 276, G146-G154.	3.4	4
142	Compact water-window x-ray microscopy with a droplet laser-plasma source. AIP Conference Proceedings, 2000, , .	0.4	4
143	The role of endocytosis in renal dopamine D1 receptor signaling. Pflugers Archiv European Journal of Physiology, 2006, 451, 793-802.	2.8	4
144	AT1-receptor response to non-saturating Ang-II concentrations is amplified by calcium channel blockers. BMC Cardiovascular Disorders, 2017, 17, 126.	1.7	4

#	Article	IF	Citations
145	Diode-pumped solid state laser light sources for confocal laser scanning fluorescence microscopy. Journal of Laser Applications, 2008, 20, 160-164.	1.7	3
146	Quantum dots modulate intracellular Ca²⁺ level in lung epithelial cells. International Journal of Nanomedicine, 2017, Volume 12, 2781-2792.	6.7	3
147	Endocytic pathway of vascular cell adhesion molecule 1 in human umbilical vein endothelial cell identified in vitro by using functionalized nontoxic fluorescent quantum dots. Sensors and Actuators B: Chemical, 2019, 297, 126702.	7.8	3
148	Joint Image Deconvolution and Separation Using Mixed Dictionaries. IEEE Transactions on Image Processing, 2019, 28, 3936-3945.	9.8	3
149	<title>Fluorescence lifetime imaging of pH in cells: investigation of factors influencing the pH calibration lifetime</title>. , 2000, 3921, 242.		2
150	Experimental validation of predicted cancer genes using FRET. Methods and Applications in Fluorescence, 2018, 6, 035007.	2.3	2
151	Quantification of endogenous and exogenous protein expressions of Na,K-ATPase with super-resolution PALM/STORM imaging. PLoS ONE, 2018, 13, e0195825.	2.5	2
152	Intrinsic blinking characteristics of single colloidal CdSe-CdS/ZnS core-multishell quantum dots. Physical Review B, 2019, 99, .	3.2	2
153	<title>Time-correlated single-photon counting using a confocal scanning laser microscope</title>. , 1994, , .		1
154	S.04.03 Allosteric changes of the NMDA receptor trap diffusible dopamine 1 receptors in spines. European Neuropsychopharmacology, 2006, 16, S170.	0.7	1
155	Understanding the Photochemical Pathway of Inâ€…Vitro Target Delivery of Aluminium Phthalocyanine: A Mechanistic Approach Using Radical Reaction Chemistry. ChemPlusChem, 2014, 79, 671-679.	2.8	1
156	Red-Shift Index Concept in Solvent Effects of Chromophore-Substituted Metallophthalocyanines: A Look at the Empirical Relationship of the Macroscopic Properties of the Soluteâ€“Solvent Interactions. Journal of Solution Chemistry, 2015, 44, 307-326.	1.2	1
157	<title>Method to trace capillary networks in thick specimens using confocal microscopy</title>. , 1995, , .		0
158	<title>Confocal microscopy of multiple-stained biological specimens using fluorescence lifetimes</title>. , 1995, 2412, 124.		0
159	<title>Method for intracellular imaging of ion concentrations using confocal microscopy and fluorophore lifetimes</title>. , 2000, , .		0
160	232 Revised Approach to Suspected Late-Onset Sepsis in Neonates: Added Value of C-Reactive Protein and Staphylococcus-Specific PCR.. Pediatric Research, 2005, 58, 394-394.	2.3	0
161	233 Microbial Presentation at the Epithelial Linings: A Strategic Way to Promote the Generation of Immunity at Birth.. Pediatric Research, 2005, 58, 394-394.	2.3	0
162	Controlling yield and morphology for gold nanorods in a seed-mediated synthesis method for cell imaging. , 2010, , .		0

#	Article	IF	Citations
163	Microscopy for Acoustofluidic Micro-Devices. , 2014, , 493-519.		0
164	Super-resolution microscopy reveals that Na+/K+-ATPase signaling protects against glucose-induced apoptosis by deactivating Bad. Cell Death and Disease, 2021, 12, 739.	6.3	0
165	Identification and functional significance of a brain aquaporinâ€4/Na+, K+â€ATPase/mGluR5 macromolecular complex. FASEB Journal, 2008, 22, 1159.17.	0.5	0
166	AQP4 role in renal K+ transport. FASEB Journal, 2009, 23, 867.2.	0.5	0
167	Variability in the strength of AT 1 R Ca 2+ signaling. FASEB Journal, 2013, 27, .	0.5	0
168	Activity dependent regulation of Na,Kâ€ATPase Î±3 mobility in the postsynaptic membrane. FASEB Journal, 2013, 27, 726.6.	0.5	0
169	A specific and essential role for Na,Kâ€ATPase Î±3 in neurons coâ€expressing Î±1 and Î±3. FASEB Journal, 2013, 27, 726.7.	0.5	0
170	Optical Clearing Methods for Large Scale Studies of Renal Morphology. FASEB Journal, 2015, 29, 632.1.	0.5	0
171	Defective membrane insertion of mutant Na,Kâ€ATPase, a cause of fatal epilepsy. FASEB Journal, 2020, 34, 1-1.	0.5	0