

Zenon Rajfur

List of Publications by Year in descending order

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74
papers

3,090
citations

172457

29
h-index

168389

53
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77
all docs

77
docs citations

77
times ranked

5201
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Research on Bleomycin-Induced DNA Strand Breaks and Repair Processes in Living Cells. International Journal of Molecular Sciences, 2022, 23, 3524.	4.1	10
2	From fixed-dried to wet-fixed to live“ comparative super-resolution microscopy of liver sinusoidal endothelial cell fenestrations. Nanophotonics, 2022, .	6.0	3
3	Substrate Stiffness Mediates Formation of Novel Cytoskeletal Structures in Fibroblasts during Cell“Microspheres Interaction. International Journal of Molecular Sciences, 2021, 22, 960.	4.1	4
4	Vimentin Cytoskeleton Architecture Analysis on Polylactide and Polyhydroxyoctanoate Substrates for Cell Culturing. International Journal of Molecular Sciences, 2021, 22, 6821.	4.1	2
5	Mesencephalic Astrocyte-Derived Neurotrophic Factor Regulates Morphology of Pigment-Dispersing Factor-Positive Clock Neurons and Circadian Neuronal Plasticity in Drosophila melanogaster. Frontiers in Physiology, 2021, 12, 705183.	2.8	0
6	Increasing AFM colloidal probe accuracy by optical tweezers. Scientific Reports, 2021, 11, 509.	3.3	7
7	Effects of brief inhibition of the ventral tegmental area dopamine neurons on the cocaine seeking during abstinence. Addiction Biology, 2020, 25, e12826.	2.6	12
8	Electrophysiology and distribution of oxytocin and vasopressin neurons in the hypothalamic paraventricular nucleus: a study in male and female rats. Brain Structure and Function, 2020, 225, 285-304.	2.3	11
9	Exacerbation of Neonatal Hemolysis and Impaired Renal Iron Handling in Heme Oxygenase 1-Deficient Mice. International Journal of Molecular Sciences, 2020, 21, 7754.	4.1	4
10	Replication of Severe Acute Respiratory Syndrome Coronavirus 2 in Human Respiratory Epithelium. Journal of Virology, 2020, 94, .	3.4	51
11	Berberine Hampers Influenza A Replication through Inhibition of MAPK/ERK Pathway. Viruses, 2020, 12, 344.	3.3	18
12	Insights into In Vitro Wound Closure on Two Biopolyesters“Polylactide and Polyhydroxyoctanoate. Materials, 2020, 13, 2793.	2.9	8
13	RHOA-mediated mechanical force generation through Dectin-1. Journal of Cell Science, 2020, 133, .	2.0	12
14	Metformin attenuates adhesion between cancer and endothelial cells in chronic hyperglycemia by recovery of the endothelial glycocalyx barrier. Biochimica Et Biophysica Acta - General Subjects, 2020, 1864, 129533.	2.4	21
15	Talin2 mediates secretion and trafficking of matrix metalloproteinase 9 during invadopodium formation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2020, 1867, 118693.	4.1	3
16	Cyanidin“3- β -glucoside binds to talin and modulates colon cancer cell adhesions and 3D growth. FASEB Journal, 2020, 34, 2227-2237.	0.5	21
17	<i>BatchDeconvolution</i>: a <i>Fiji</i> plugin for increasing deconvolution workflow. Bio-Algorithms and Med-Systems, 2020, 16, .	2.4	2
18	Cdk5-mediated phosphorylation regulates phosphatidylinositol 4-phosphate 5-kinase type I β 90 activity and cell invasion. FASEB Journal, 2019, 33, 631-642.	0.5	14

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19	Role of the kidneys in the redistribution of heme-derived iron during neonatal hemolysis in mice. <i>Scientific Reports</i> , 2019, 9, 11102.	3.3	9
20	Cat flu: Broad spectrum polymeric antivirals. <i>Antiviral Research</i> , 2019, 170, 104563.	4.1	12
21	Cellular architecture and migration behavior of fibroblast cells on polyhydroxyoctanoate (PHO): A natural polymer of bacterial origin. <i>Biopolymers</i> , 2019, 110, e23324.	2.4	12
22	Alpha1-adrenergic receptor blockade in the ventral tegmental area modulates conditional stimulus-induced cocaine seeking. <i>Neuropharmacology</i> , 2019, 158, 107680.	4.1	9
23	The Impact of the Ketogenic Diet on Glial Cells Morphology. A Quantitative Morphological Analysis. <i>Neuroscience</i> , 2019, 413, 239-251.	2.3	28
24	Zika virus: mapping and reprogramming the entry. <i>Cell Communication and Signaling</i> , 2019, 17, 41.	6.5	22
25	Molecular machinery providing copper bioavailability for spermatozoa along the epididymial tubule in mouse. <i>Biology of Reproduction</i> , 2019, 100, 1505-1520.	2.7	5
26	Canine Respiratory Coronavirus, Bovine Coronavirus, and Human Coronavirus OC43: Receptors and Attachment Factors. <i>Viruses</i> , 2019, 11, 328.	3.3	63
27	Adhesive protein-mediated cross-talk between <i>Candida albicans</i> and <i>Porphyromonas gingivalis</i> in dual species biofilm protects the anaerobic bacterium in unfavorable oxic environment. <i>Scientific Reports</i> , 2019, 9, 4376.	3.3	44
28	The activity of bacterial peptidylarginine deiminase is important during formation of dual-species biofilm by periodontal pathogen <i>Porphyromonas gingivalis</i> and opportunistic fungus <i>Candida albicans</i> . <i>Pathogens and Disease</i> , 2018, 76, .	2.0	34
29	APOBEC3-mediated restriction of RNA virus replication. <i>Scientific Reports</i> , 2018, 8, 5960.	3.3	103
30	Entry of Human Coronavirus NL63 into the Cell. <i>Journal of Virology</i> , 2018, 92, .	3.4	162
31	Identification of perivascular and stromal mesenchymal stem/progenitor cells in porcine endometrium. <i>Reproduction in Domestic Animals</i> , 2018, 53, 333-343.	1.4	9
32	Novel coronavirus-like particles targeting cells lining the respiratory tract. <i>PLoS ONE</i> , 2018, 13, e0203489.	2.5	36
33	Canine respiratory coronavirus employs caveolin-1-mediated pathway for internalization to HRT-18G cells. <i>Veterinary Research</i> , 2018, 49, 55.	3.0	31
34	Early events during human coronavirus OC43 entry to the cell. <i>Scientific Reports</i> , 2018, 8, 7124.	3.3	101
35	mTORC2 Activity Disrupts Lysosome Acidification in Systemic Lupus Erythematosus by Impairing Caspase-1 Cleavage of Rab39a. <i>Journal of Immunology</i> , 2018, 201, 371-382.	0.8	14
36	Roles of Talin2 in Traction Force Generation, Tumor Metastasis and Cardiovascular Integrity. <i>Current Protein and Peptide Science</i> , 2018, 19, 1071-1078.	1.4	3

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37	Copper therapy reduces intravascular hemolysis and derepresses ferroportin in mice with mosaic mutation (<i>Atp7a</i> mo-ms): An implication for copper-mediated regulation of the <i>Slc40a1</i> gene expression. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 1410-1421.	3.8	11
38	<i>Atp7a</i> and <i>Atp7b</i> regulate copper homeostasis in developing male germ cells in mice. <i>Metallomics</i> , 2017, 9, 1288-1303.	2.4	14
39	AFM-based detection of glycocalyx degradation and endothelial stiffening in the db/db mouse model of diabetes. <i>Scientific Reports</i> , 2017, 7, 15951.	3.3	44
40	Inhibition of oxytocin and vasopressin neuron activity in rat hypothalamic paraventricular nucleus by relaxinâ€”RXFP3 signalling. <i>Journal of Physiology</i> , 2017, 595, 3425-3447.	2.9	33
41	Precise mass determination of single cell with cantilever-based microbiosensor system. <i>PLoS ONE</i> , 2017, 12, e0188388.	2.5	17
42	Migration-related Protein Activity in Cell Electrotaxis. <i>Acta Physica Polonica B</i> , 2017, 48, 1727.	0.8	1
43	Effect of substrate elasticity on macroscopic parameters of fish keratocyte migration. <i>Physical Biology</i> , 2016, 13, 054001.	1.8	5
44	Defects in lysosomal maturation facilitate the activation of innate sensors in systemic lupus erythematosus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E2142-51.	7.1	70
45	Studies of unicellular microorganisms <i>Saccharomyces cerevisiae</i> by means of positron annihilation lifetime spectroscopy. <i>Nukleonika</i> , 2015, 60, 749-753.	0.8	13
46	Glutaraldehyde fixation preserves the trend of elasticity alterations for endothelial cells exposed to α 1-TNF. <i>Cytoskeleton</i> , 2015, 72, 124-130.	2.0	16
47	Excitatory orexinergic innervation of rat nucleus incertus â€” Implications for ascending arousal, motivation and feeding control. <i>Neuropharmacology</i> , 2015, 99, 432-447.	4.1	35
48	RhoA Regulates Calcium-Independent Periodic Contractions of the Cell Cortex. <i>Biophysical Journal</i> , 2010, 99, 1053-1063.	0.5	13
49	Talin phosphorylation by Cdk5 regulates Smurf1-mediated talin head ubiquitylation and cell migration. <i>Nature Cell Biology</i> , 2009, 11, 624-630.	10.3	182
50	Mechanism of Chromophore Assisted Laser Inactivation Employing Fluorescent Proteins. <i>Analytical Chemistry</i> , 2009, 81, 1755-1761.	6.5	31
51	Multiple paxillin binding sites regulate FAK function. <i>Journal of Molecular Signaling</i> , 2008, 3, 1.	0.5	79
52	Chromophore-assisted laser inactivation in cell biology. <i>Trends in Cell Biology</i> , 2008, 18, 443-450.	7.9	116
53	Mechanical and Biochemical Modeling of Cortical Oscillations in Spreading Cells. <i>Biophysical Journal</i> , 2008, 94, 4605-4620.	0.5	18
54	Tenascin C interacts with Ecto-5â€²-nucleotidase (eN) and regulates adenosine generation in cancer cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2008, 1782, 35-40.	3.8	37

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55	Spatial and Temporal Regulation of Focal Adhesion Kinase Activity in Living Cells. <i>Molecular and Cellular Biology</i> , 2008, 28, 201-214.	2.3	157
56	Immobilization of the Type XIV Myosin Complex in <i>Toxoplasma gondii</i> . <i>Molecular Biology of the Cell</i> , 2007, 18, 3039-3046.	2.1	65
57	PTP-PEST Couples Membrane Protrusion and Tail Retraction via VAV2 and p190RhoGAP. <i>Journal of Biological Chemistry</i> , 2006, 281, 11627-11636.	3.4	56
58	PTP-PEST couples membrane protrusion and tail retraction via VAV2 and p190RhoGAP. VOLUME 281 (2006) PAGES 11627-11636. <i>Journal of Biological Chemistry</i> , 2006, 281, 38967.	3.4	0
59	In Situ Photoactivation of a Caged Phosphotyrosine Peptide Derived from Focal Adhesion Kinase Temporarily Halts Lamellar Extension of Single Migrating Tumor Cells. <i>Journal of Biological Chemistry</i> , 2005, 280, 22091-22101.	3.4	29
60	Simultaneous Stretching and Contraction of Stress Fibers In Vivo. <i>Molecular Biology of the Cell</i> , 2004, 15, 3497-3508.	2.1	176
61	JNK phosphorylates paxillin and regulates cell migration. <i>Nature</i> , 2003, 424, 219-223.	27.8	442
62	Electronic Cameras for Low-Light Microscopy. <i>Methods in Cell Biology</i> , 2003, 72, 103-132.	1.1	7
63	Microscope-based techniques to study cell adhesion and migration. <i>Nature Cell Biology</i> , 2002, 4, E91-E96.	10.3	67
64	Dissecting the link between stress fibres and focal adhesions by CALI with EGFP fusion proteins. <i>Nature Cell Biology</i> , 2002, 4, 286-293.	10.3	174
65	Induction of cortical oscillations in spreading cells by depolymerization of microtubules. <i>Cytoskeleton</i> , 2001, 48, 235-244.	4.4	74
66	Local Photorelease of Caged Thymosin β 4 in Locomoting Keratocytes Causes Cell Turning. <i>Journal of Cell Biology</i> , 2001, 153, 1035-1048.	5.2	75
67	Changes in ATP level and iron-induced ultra-weak photon emission in bull spermatozoa, caused by membrane peroxidation during thermal stress. <i>Acta Biochimica Polonica</i> , 1997, 44, 131-8.	0.5	3
68	Influence of the presence of atrazine in water on the in-vivo delayed luminescence of <i>Acetabularia acetabulum</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1996, 32, 11-17.	3.8	60
69	Photon emission from chemically perturbed yeast cells. <i>Luminescence</i> , 1994, 9, 59-63.	0.0	3
70	Spectra of the formaldehyde-induced ultraweak luminescence from yeast cells. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1993, 21, 29-35.	3.8	7
71	Temperature dependence of the ultraweak spontaneous photon emission from soya seeds. <i>Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics</i> , 1993, 15, 1361-1370.	0.4	6
72	The influence of environmental factors on the ultraweak luminescence from yeast <i>Saccharomyces cerevisiae</i> . <i>Journal of Electroanalytical Chemistry</i> , 1992, 342, 57-61.	3.8	1

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73	The influence of environmental factors on the ultraweak luminescence from yeast <i>Saccharomyces cerevisiae</i> . <i>Bioelectrochemistry</i> , 1992, 27, 57-61.	1.0	6
74	Stress-induced photon emission from perturbed organisms. <i>Experientia</i> , 1992, 48, 1041-1058.	1.2	41