

Anatoly B Kiyatkin

List of Publications by Year in descending order

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41
papers

3,315
citations

236833

25
h-index

330025

37
g-index

43
all docs

43
docs citations

43
times ranked

4499
citing authors

#	ARTICLE	IF	CITATIONS
1	Glioblastoma mutations alter EGFR dimer structure to prevent ligand bias. <i>Nature</i> , 2022, 602, 518-522.	13.7	36
2	Respective, Time-Dependent Phosphorylation Modules Shaping Phosphoproteome Abundance and Turnover. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
3	Kinetics of receptor tyrosine kinase activation define ERK signaling dynamics. <i>Science Signaling</i> , 2020, 13, .	1.6	45
4	Comparison of tyrosine kinase domain properties for the neurotrophin receptors TrkA and TrkB. <i>Biochemical Journal</i> , 2020, 477, 4053-4070.	1.7	4
5	EGFR Ligands Differentially Stabilize Receptor Dimers to Specify Signaling Kinetics. <i>Cell</i> , 2017, 171, 683-695.e18.	13.5	276
6	Modeling of Receptor Tyrosine Kinase Signaling: Computational and Experimental Protocols. <i>Methods in Molecular Biology</i> , 2017, 1636, 417-453.	0.4	8
7	Three-factor models versus time series models: quantifying time-dependencies of interactions between stimuli in cell biology and psychobiology for short longitudinal data. <i>Mathematical Medicine and Biology</i> , 2016, 34, dqw001.	0.8	0
8	Bistability in the Rac1, PAK, and RhoA Signaling Network Drives Actin Cytoskeleton Dynamics and Cell Motility Switches. <i>Cell Systems</i> , 2016, 2, 38-48.	2.9	159
9	The Dark Side of Cell Signaling: Positive Roles for Negative Regulators. <i>Cell</i> , 2016, 164, 1172-1184.	13.5	97
10	Silence on the relevant literature and errors in implementation. <i>Nature Biotechnology</i> , 2015, 33, 336-339.	9.4	14
11	Multistrip Western Blotting: A Tool for Comparative Quantitative Analysis of Multiple Proteins. <i>Methods in Molecular Biology</i> , 2015, 1312, 197-226.	0.4	18
12	Kinetochores kinesin CENP-E is a processive bi-directional tracker of dynamic microtubule tips. <i>Nature Cell Biology</i> , 2013, 15, 1079-1088.	4.6	122
13	Immunogenicity, Efficacy, Safety, and Mechanism of Action of Epitope Vaccine (Lu AF20513) for Alzheimer's Disease: Prelude to a Clinical Trial. <i>Journal of Neuroscience</i> , 2013, 33, 4923-4934.	1.7	100
14	Refinement of a DNA based Alzheimer disease epitope vaccine in rabbits. <i>Human Vaccines and Immunotherapeutics</i> , 2013, 9, 1002-1010.	1.4	28
15	Emergence of bimodal cell population responses from the interplay between analog single-cell signaling and protein expression noise. <i>BMC Systems Biology</i> , 2012, 6, 109.	3.0	89
16	Cross-talk between mitogenic Ras/MAPK and survival PI3K/Akt pathways: a fine balance. <i>Biochemical Society Transactions</i> , 2012, 40, 139-146.	1.6	385
17	Synergistic anti-tumor effect by a combination treatment with the dietary flavonoid luteolin and the chemotherapy drugs Tasigna or Aducril in human pancreatic cancer cells. <i>FASEB Journal</i> , 2012, 26, 999.4.	0.2	2
18	Prolactin-stimulated activation of ERK1/2 mitogen-activated protein kinases is controlled by PI3-kinase/Rac/PAK signaling pathway in breast cancer cells. <i>Cellular Signalling</i> , 2011, 23, 1794-1805.	1.7	89

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19	THE ROUTES OF ERK ACTIVATION IN PROLACTIN-ESTIMULATED BREAST CANCER CELLS. FASEB Journal, 2011, 25, .	0.2	0
20	PI3K/Akt-sensitive MEK-independent compensatory circuit of ERK activation in ER-positive PI3K-mutant T47D breast cancer cells. Cellular Signalling, 2010, 22, 1369-1378.	1.7	84
21	Dynamic cross-talk between PI3-kinase/Akt and Ras/ERK pathways in EGF receptor signaling that can affect drug sensitivity in tumor cells. FASEB Journal, 2010, 24, 715.2.	0.2	0
22	Systems-level interactions between insulin-EGF networks amplify mitogenic signaling. Molecular Systems Biology, 2009, 5, 256.	3.2	205
23	Molecular Dynamics Simulations Reveal that Tyr-317 Phosphorylation Reduces Shc Binding Affinity for Phosphotyrosyl Residues of Epidermal Growth Factor Receptor. Biophysical Journal, 2009, 96, 2278-2288.	0.2	21
24	Multistrip Western Blotting to Increase Quantitative Data Output. Methods in Molecular Biology, 2009, 536, 149-161.	0.4	25
25	Detection of the Active Components of Calf Thymus Nuclear Proteins (TNP), Histones that are Binding with High Affinity to HIV-1 Envelope Proteins and CD4 Molecules. Current HIV Research, 2008, 6, 318-326.	0.2	3
26	Anti-A β 11 Antibody Binds to Different A β 2-Amyloid Species, Inhibits Fibril Formation, and Disaggregates Preformed Fibrils but Not the Most Toxic Oligomers. Journal of Biological Chemistry, 2007, 282, 22376-22386.	1.6	90
27	Multistrip Western blotting to increase quantitative data output. Electrophoresis, 2007, 28, 3163-3173.	1.3	38
28	Scaffolding Protein Grb2-associated Binder 1 Sustains Epidermal Growth Factor-induced Mitogenic and Survival Signaling by Multiple Positive Feedback Loops*. Journal of Biological Chemistry, 2006, 281, 19925-19938.	1.6	153
29	Tyr-317 Phosphorylation Increases Shc Structural Rigidity and Reduces Coupling of Domain Motions Remote from the Phosphorylation Site as Revealed by Molecular Dynamics Simulations. Journal of Biological Chemistry, 2004, 279, 4657-4662.	1.6	30
30	Inferring dynamic architecture of cellular networks using time series of gene expression, protein and metabolite data. Bioinformatics, 2004, 20, 1877-1886.	1.8	148
31	Signal processing at the Ras circuit: what shapes Ras activation patterns?. IET Systems Biology, 2004, 1, 104-113.	2.0	51
32	Immunization with a plant-produced colorectal cancer antigen. Cancer Immunology, Immunotherapy, 2004, 53, 92-99.	2.0	29
33	Untangling the wires: A strategy to trace functional interactions in signaling and gene networks. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12841-12846.	3.3	386
34	Temperature Dependence of the Epidermal Growth Factor Receptor Signaling Network Can Be Accounted for by a Kinetic Model. Biochemistry, 2002, 41, 306-320.	1.2	74
35	Crystallographic structure and functional interpretation of the cytoplasmic domain of erythrocyte membrane band 3. Blood, 2000, 96, 2925-2933.	0.6	279
36	Crystallographic structure and functional interpretation of the cytoplasmic domain of erythrocyte membrane band 3. Blood, 2000, 96, 2925-2933.	0.6	5

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37	Prostaglandin E2 Stimulates a Ca ²⁺ -dependent K ⁺ Channel in Human Erythrocytes and Alters Cell Volume and Filterability. <i>Journal of Biological Chemistry</i> , 1996, 271, 18651-18656.	1.6	78
38	Crystallization and preliminary X-ray analysis of the cytoplasmic domain of human erythrocyte band 3. <i>Proteins: Structure, Function and Bioinformatics</i> , 1995, 22, 293-297.	1.5	9
39	Control of erythrocyte metabolism by redox-regulated tyrosine phosphatases and kinases. <i>Protoplasma</i> , 1995, 184, 196-202.	1.0	11
40	Signal transduction between red cells and other blood cells. <i>Stem Cells</i> , 1995, 13, 90-91.	1.4	26
41	Oscillations and waves in metal-ion-catalyzed bromate oscillating reactions in highly oxidized states. <i>The Journal of Physical Chemistry</i> , 1993, 97, 7578-7584.	2.9	98