

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

116 papers	7,871 citations	43 h-index	88 g-index
124 ext. papers	9,011 ext. citations	6.9 avg, IF	6.19 L-index

#	Paper	IF	Citations
116	A comprehensive survey of Ras mutations in cancer. <i>Cancer Research</i> , 2012 , 72, 2457-67	10.1	1155
115	Direct visualization of Ras proteins in spatially distinct cell surface microdomains. <i>Journal of Cell Biology</i> , 2003 , 160, 165-70	7.3	617
114	Uptake and intracellular fate of surface-modified gold nanoparticles. <i>ACS Nano</i> , 2008 , 2, 1639-44	16.7	560
113	GTP-dependent segregation of H-ras from lipid rafts is required for biological activity. <i>Nature Cell Biology</i> , 2001 , 3, 368-75	23.4	457
112	H-ras but not K-ras traffics to the plasma membrane through the exocytic pathway. <i>Molecular and Cellular Biology</i> , 2000 , 20, 2475-87	4.8	358
111	The ubiquitin isopeptidase UBPY regulates endosomal ubiquitin dynamics and is essential for receptor down-regulation. <i>Journal of Biological Chemistry</i> , 2006 , 281, 12618-24	5.4	191
110	The Frequency of Ras Mutations in Cancer. <i>Cancer Research</i> , 2020 , 80, 2969-2974	10.1	177
109	Individual palmitoyl residues serve distinct roles in H-ras trafficking, microlocalization, and signaling. <i>Molecular and Cellular Biology</i> , 2005 , 25, 6722-33	4.8	177
108	Plasma membrane microdomains: organization, function and trafficking. <i>Molecular Membrane Biology</i> , 2004 , 21, 193-205	3.4	170
107	Flotillin-1/reggie-2 traffics to surface raft domains via a novel golgi-independent pathway. Identification of a novel membrane targeting domain and a role for palmitoylation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 48834-41	5.4	159
106	Ras trafficking, localization and compartmentalized signalling. <i>Seminars in Cell and Developmental Biology</i> , 2012 , 23, 145-53	7.5	156
105	Three separable domains regulate GTP-dependent association of H-ras with the plasma membrane. <i>Molecular and Cellular Biology</i> , 2004 , 24, 6799-810	4.8	138
104	Negotiation of intracellular membrane barriers by TAT-modified gold nanoparticles. <i>ACS Nano</i> , 2011 , 5, 5195-201	16.7	131
103	Activation of trypsinogen in large endocytic vacuoles of pancreatic acinar cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 5674-9	11.5	125
102	Mercaptocarborane-capped gold nanoparticles: electron pools and ion traps with switchable hydrophilicity. <i>Journal of the American Chemical Society</i> , 2012 , 134, 212-21	16.4	117
101	Intracellular mapping with SERS-encoded gold nanostars. <i>Integrative Biology (United Kingdom)</i> , 2011 , 3, 922-6	3.7	116
100	A TACC3/ch-TOG/clathrin complex stabilises kinetochore fibres by inter-microtubule bridging. <i>EMBO Journal</i> , 2011 , 30, 906-19	13	112

99	Regulatory activity of polyunsaturated fatty acids in T-cell signaling. <i>Progress in Lipid Research</i> , 2010 , 49, 250-61	14.3	105
98	Ribosome-free terminals of rough ER allow formation of STIM1 puncta and segregation of STIM1 from IP(3) receptors. <i>Current Biology</i> , 2009 , 19, 1648-53	6.3	104
97	Cathepsin L digestion of nanobioconjugates upon endocytosis. <i>ACS Nano</i> , 2009 , 3, 2461-8	16.7	100
96	Docosahexaenoic acid alters the size and distribution of cell surface microdomains. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2008 , 1778, 466-71	3.8	100
95	Caveolin interacts with the angiotensin II type 1 receptor during exocytic transport but not at the plasma membrane. <i>Journal of Biological Chemistry</i> , 2003 , 278, 23738-46	5.4	100
94	Ras proteins: paradigms for compartmentalised and isoform-specific signalling. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2575-89	10.3	98
93	Ras acylation, compartmentalization and signaling nanoclusters (Review). <i>Molecular Membrane Biology</i> , 2009 , 26, 80-92	3.4	94
92	Palmitoylation and localisation of RAS isoforms are modulated by the hypervariable linker domain. <i>Journal of Cell Science</i> , 2008 , 121, 421-7	5.3	93
91	Inflicting controlled nonthermal damage to subcellular structures by laser-activated gold nanoparticles. <i>Nano Letters</i> , 2010 , 10, 4549-54	11.5	91
90	Transport of fibroblast growth factor 2 in the pericellular matrix is controlled by the spatial distribution of its binding sites in heparan sulfate. <i>PLoS Biology</i> , 2012 , 10, e1001361	9.7	84
89	Traffic of Kv4 K ⁺ channels mediated by KChIP1 is via a novel post-ER vesicular pathway. <i>Journal of Cell Biology</i> , 2005 , 171, 459-69	7.3	83
88	New Perspectives, Opportunities, and Challenges in Exploring the Human Protein Kinome. <i>Cancer Research</i> , 2018 , 78, 15-29	10.1	81
87	Ras isoform abundance and signalling in human cancer cell lines. <i>Oncogene</i> , 2008 , 27, 2754-62	9.2	77
86	Magnetic CoPt nanoparticles as MRI contrast agent for transplanted neural stem cells detection. <i>Nanoscale</i> , 2011 , 3, 977-84	7.7	73
85	3D-CLEM Reveals that a Major Portion of Mitotic Chromosomes Is Not Chromatin. <i>Molecular Cell</i> , 2016 , 64, 790-802	17.6	60
84	A simple method for preparing spectrally encoded magnetic beads for multiplexed detection. <i>ACS Nano</i> , 2007 , 1, 487-93	16.7	55
83	Specific removal of TACC3-ch-TOG-clathrin at metaphase deregulates kinetochore fiber tension. <i>Journal of Cell Science</i> , 2013 , 126, 2102-13	5.3	53
82	Ultrastructural examination of tissue in a patient with alkaptonuric arthropathy reveals a distinct pattern of binding of ochronotic pigment. <i>Rheumatology</i> , 2010 , 49, 1412-4	3.9	53

81	Compartmentalized signalling: Ras proteins and signalling nanoclusters. <i>FEBS Journal</i> , 2009 , 276, 1817-25.	5.7	53
80	Variant shape growth of nanoparticles of metallic FePt, FePd and FePtPd alloys. <i>CrystEngComm</i> , 2009 , 11, 1309	3.3	47
79	Observing cell surface signaling domains using electron microscopy. <i>Science Signaling</i> , 2003 , 2003, PL9	8.8	47
78	Vpu and Tsg101 regulate intracellular targeting of the human immunodeficiency virus type 1 core protein precursor Pr55gag. <i>Journal of Virology</i> , 2006 , 80, 3765-72	6.6	46
77	The role of palmitoylation in regulating Ras localization and function. <i>Biochemical Society Transactions</i> , 2013 , 41, 79-83	5.1	45
76	S-nitrosylation of syntaxin 1 at Cys(145) is a regulatory switch controlling Munc18-1 binding. <i>Biochemical Journal</i> , 2008 , 413, 479-91	3.8	44
75	Electron microscopic imaging of Ras signaling domains. <i>Methods</i> , 2005 , 37, 165-72	4.6	44
74	Magnetic microspheres encoded with photoluminescent quantum dots for multiplexed detection. <i>Journal of Materials Chemistry</i> , 2007 , 17, 4400		43
73	Differential reprogramming of isogenic colorectal cancer cells by distinct activating KRAS mutations. <i>Journal of Proteome Research</i> , 2015 , 14, 1535-46	5.6	42
72	Inhibition of lipid raft-dependent signaling by a dystrophy-associated mutant of caveolin-3. <i>Journal of Biological Chemistry</i> , 2002 , 277, 17944-9	5.4	42
71	Raft protein clustering alters N-Ras membrane interactions and activation pattern. <i>Molecular and Cellular Biology</i> , 2011 , 31, 3938-52	4.8	39
70	The mesh is a network of microtubule connectors that stabilizes individual kinetochore fibers of the mitotic spindle. <i>ELife</i> , 2015 , 4,	8.9	39
69	CD317/tetherin is an organiser of membrane microdomains. <i>Journal of Cell Science</i> , 2013 , 126, 1553-64	5.3	37
68	Evaluation of X-ray microfluorescence spectrometry for the elemental analysis of firearm discharge residues. <i>Forensic Science International</i> , 1998 , 97, 21-36	2.6	36
67	Phosphatome profiling reveals PTPN2, PTPRJ and PTEN as potent negative regulators of PKB/Akt activation in Ras-mutated cancer cells. <i>Biochemical Journal</i> , 2010 , 426, 65-72	3.8	34
66	RAS variant signalling. <i>Biochemical Society Transactions</i> , 2018 , 46, 1325-1332	5.1	33
65	Microtubule organization within mitotic spindles revealed by serial block face scanning electron microscopy and image analysis. <i>Journal of Cell Science</i> , 2017 , 130, 1845-1855	5.3	31
64	Modular approach for bimodal antibacterial surfaces combining photo-switchable activity and sustained biocidal release. <i>Scientific Reports</i> , 2017 , 7, 5259	4.9	30

63	Aurora A kinase activity is required for localization of TACC3/ch-TOG/clathrin inter-microtubule bridges. <i>Communicative and Integrative Biology</i> , 2011 , 4, 409-412	1.7	30
62	Quantification of spatiotemporal patterns of Ras isoform expression during development. <i>Scientific Reports</i> , 2017 , 7, 41297	4.9	28
61	Oncogenic K-ras segregates at spatially distinct plasma membrane signaling platforms according to its phosphorylation status. <i>Journal of Cell Science</i> , 2013 , 126, 4553-9	5.3	28
60	Highly Stable Dextran-Coated Quantum Dots for Biomolecular Detection and Cellular Imaging. <i>Chemistry of Materials</i> , 2010 , 22, 6361-6369	9.6	28
59	Aurora A kinase activity is required for localization of TACC3/ch-TOG/clathrin inter-microtubule bridges. <i>Communicative and Integrative Biology</i> , 2011 , 4, 409-12	1.7	28
58	The role of Ca ²⁺ influx in endocytic vacuole formation in pancreatic acinar cells. <i>Biochemical Journal</i> , 2015 , 465, 405-12	3.8	26
57	Conserved effects and altered trafficking of Cetuximab antibodies conjugated to gold nanoparticles with precise control of their number and orientation. <i>Nanoscale</i> , 2017 , 9, 6111-6121	7.7	25
56	Feedback activation of neurofibromin terminates growth factor-induced Ras activation. <i>Cell Communication and Signaling</i> , 2016 , 14, 5	7.5	25
55	Control of growth factor receptor dynamics by reversible ubiquitination. <i>Biochemical Society Transactions</i> , 2006 , 34, 754-6	5.1	24
54	C-terminal sequences in R-Ras are involved in integrin regulation and in plasma membrane microdomain distribution. <i>Biochemical and Biophysical Research Communications</i> , 2003 , 311, 829-38	3.4	24
53	Ras palmitoylation is necessary for N-Ras activation and signal propagation in growth factor signalling. <i>Biochemical Journal</i> , 2013 , 454, 323-32	3.8	22
52	Absolute Quantification of Endogenous Ras Isoform Abundance. <i>PLoS ONE</i> , 2015 , 10, e0142674	3.7	22
51	Regulation of the cell cycle and centrosome biology by deubiquitylases. <i>Biochemical Society Transactions</i> , 2017 , 45, 1125-1136	5.1	21
50	Compartmentalized Ras signaling differentially contributes to phenotypic outputs. <i>Cellular Signalling</i> , 2013 , 25, 1748-53	4.9	20
49	Modulating Protein-Protein Interactions of the Mitotic Polo-like Kinases to Target Mutant KRAS. <i>Cell Chemical Biology</i> , 2017 , 24, 1017-1028.e7	8.2	20
48	The Vpu-regulated endocytosis of HIV-1 Gag is clathrin-independent. <i>Virology</i> , 2007 , 369, 299-308	3.6	20
47	Localization of a class II phosphatidylinositol 3-kinase, PI3KC2alpha, to clathrin-coated vesicles. <i>Molecular Cell Biology Research Communications: MCBRC: Part B of Biochemical and Biophysical Research Communications</i> , 1999 , 1, 162-6		19
46	Trypanosoma brucei colonizes the tsetse gut via an immature peritrophic matrix in the proventriculus. <i>Nature Microbiology</i> , 2020 , 5, 909-916	26.6	19

45	The deubiquitylase USP15 regulates topoisomerase II alpha to maintain genome integrity. <i>Oncogene</i> , 2018 , 37, 2326-2342	9.2	18
44	Long-Chain n-3 Fatty Acids Attenuate Oncogenic KRas-Driven Proliferation by Altering Plasma Membrane Nanoscale Proteolipid Composition. <i>Cancer Research</i> , 2018 , 78, 3899-3912	10.1	17
43	The neuroendocrine phenotype of gastric myofibroblasts and its loss with cancer progression. <i>Carcinogenesis</i> , 2014 , 35, 1798-806	4.6	16
42	Global snapshot of the influence of endocytosis upon EGF receptor signaling output. <i>Journal of Proteome Research</i> , 2012 , 11, 5157-66	5.6	15
41	Acrylate-facilitated cellular uptake of gold nanoparticles. <i>Small</i> , 2011 , 7, 1982-6	11	15
40	The endoplasmic reticulum remains functionally connected by vesicular transport after its fragmentation in cells expressing Z- α -antitrypsin. <i>FASEB Journal</i> , 2016 , 30, 4083-4097	0.9	15
39	Glutamate uptake occurs at an early stage of synaptic vesicle recycling. <i>Current Biology</i> , 1997 , 7, 353-6	6.3	14
38	Detection of thiol modification following generation of reactive nitrogen species: analysis of synaptic vesicle proteins. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2000 , 1475, 281-6	4	14
37	Targeting centrosome amplification, an Achilles' heel of cancer. <i>Biochemical Society Transactions</i> , 2019 , 47, 1209-1222	5.1	14
36	Isoform-specific Ras signaling is growth factor dependent. <i>Molecular Biology of the Cell</i> , 2019 , 30, 1108-1117	11.7	13
35	Fibroblast Growth Factor 2 lethally sensitizes cancer cells to stress-targeted therapeutic inhibitors. <i>Molecular Oncology</i> , 2019 , 13, 290-306	7.9	12
34	Serial block-face scanning electron microscopy applied to study the trafficking of 8D3-coated gold nanoparticles at the blood-brain barrier. <i>Histochemistry and Cell Biology</i> , 2017 , 148, 3-12	2.4	10
33	Decoding RAS isoform and codon-specific signalling. <i>Biochemical Society Transactions</i> , 2014 , 42, 742-6	5.1	10
32	Studying kinetochore-fiber ultrastructure using correlative light-electron microscopy. <i>Methods in Cell Biology</i> , 2013 , 115, 327-342	1.8	10
31	LAP-like non-canonical autophagy and evolution of endocytic vacuoles in pancreatic acinar cells. <i>Autophagy</i> , 2020 , 16, 1314-1331	10.2	10
30	Plasticity of mammary cell boundaries governed by EGF and actin remodeling. <i>Cell Reports</i> , 2014 , 8, 1722-1730	10.3	9
29	DRP-1 functions independently of mitochondrial structural perturbations to facilitate BH3 mimetic-mediated apoptosis. <i>Cell Death Discovery</i> , 2019 , 5, 117	6.9	8
28	Comparative proteomic analysis of compartmentalised Ras signalling. <i>Scientific Reports</i> , 2015 , 5, 17307	4.9	8

27	A reliable method for attaching biological molecules to layer-by-layer self-assemblies. <i>Chemical Communications</i> , 2009 , 2487-9	5.8	8
26	ER stress-linked autophagy stabilizes apoptosis effector PERP and triggers its co-localization with SERCA2b at ER-plasma membrane junctions. <i>Cell Death Discovery</i> , 2019 , 5, 132	6.9	7
25	Pronounced in vivo hemoglobin polymerization in red blood cells of Gulf toadfish: a general role for hemoglobin aggregation in vertebrate hemoparasite defense?. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2013 , 305, R1190-9	3.2	7
24	The importance of Ras in drug resistance in cancer. <i>British Journal of Pharmacology</i> , 2021 ,	8.6	7
23	Exploiting Covalent, H-Bonding, and π -Interactions to Design Antibacterial PDMS Interfaces That Load and Release Salicylic Acid.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 4801-4811	4.1	5
22	: an accessible correlative light and electron microscopy approach for investigation of neurons and glia. <i>Biology Open</i> , 2019 , 8,	2.2	4
21	Concentric lamellae - novel microanatomical structures in the articular calcified cartilage of mice. <i>Scientific Reports</i> , 2019 , 9, 11188	4.9	3
20	Three-dimensional electron microscopic reconstruction of intracellular organellar arrangements in vascular smooth muscle--further evidence of nanospaces and contacts. <i>Journal of Cellular and Molecular Medicine</i> , 2009 , 13, 995-8	5.6	3
19	Structural insights into loss of function of a pore forming toxin and its role in pneumococcal adaptation to an intracellular lifestyle. <i>PLoS Pathogens</i> , 2020 , 16, e1009016	7.6	3
18	Eps8 is a convergence point integrating EGFR and integrin trafficking and crosstalk		3
17	Exploring High Aspect Ratio Gold Nanotubes as Cytosolic Agents: Structural Engineering and Uptake into Mesothelioma Cells. <i>Small</i> , 2020 , 16, e2003793	11	3
16	Quantitative proteomic analysis of compartmentalized signaling networks. <i>Methods in Enzymology</i> , 2014 , 535, 309-25	1.7	2
15	Which Ras rides the raft? - Reply. <i>Nature Cell Biology</i> , 2001 , 3, E172-E172	23.4	2
14	Ras Variant Biology and Contributions to Human Disease. <i>Methods in Molecular Biology</i> , 2021 , 2262, 3-18	1.4	2
13	Electron microscopy methods for studying plasma membranes. <i>Methods in Molecular Biology</i> , 2015 , 1232, 137-51	1.4	1
12	One-step preparation of antimicrobial silicone materials based on PDMS and salicylic acid: insights from spatially and temporally resolved techniques. <i>Npj Biofilms and Microbiomes</i> , 2021 , 7, 51	8.2	1
11	Effect of Local Topography on Cell Division of spp.. <i>Nanomaterials</i> , 2022 , 12,	5.4	1
10	Absolute Quantitation of GTPase Protein Abundance. <i>Methods in Molecular Biology</i> , 2021 , 2262, 65-90	1.4	0

9	Kinobead Profiling Reveals Reprogramming of BCR Signaling in Response to Therapy within Primary CLL Cells. <i>Clinical Cancer Research</i> , 2021 , 27, 5647-5659	12.9	o
8	Novel roles of RTN4 and CLIMP-63 in regulating mitochondrial structure, bioenergetics and apoptosis.. <i>Cell Death and Disease</i> , 2022 , 13, 436	9.8	o
7	Compartmentalized signalling: cAMP, calcium and Ras. <i>FEBS Journal</i> , 2009 , 276, 1789	5.7	
6	Carcinogen-induced DNA structural distortion differences in the RAS gene isoforms; the importance of local sequence. <i>BMC Chemistry</i> , 2021 , 15, 51	3.7	
5	Structural insights into loss of function of a pore forming toxin and its role in pneumococcal adaptation to an intracellular lifestyle 2020 , 16, e1009016		
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