Rony Seger

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2090336/publications.pdf

Version: 2024-02-01

172 papers	17,852 citations	19608 61 h-index	13338 130 g-index
177 all docs	177 docs citations	177 times ranked	20486 citing authors

#	Article	IF	Citations
1	The MAPK signaling cascade. FASEB Journal, 1995, 9, 726-735.	0.2	3,203
2	The extracellular signal-regulated kinase: Multiple substrates regulate diverse cellular functions. Growth Factors, 2006, 24, 21-44.	0.5	1,101
3	The MEK/ERK cascade: From signaling specificity to diverse functions. Biochimica Et Biophysica Acta - Molecular Cell Research, 2007, 1773, 1213-1226.	1.9	787
4	The MAPK cascades: Signaling components, nuclear roles and mechanisms of nuclear translocation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 1619-1633.	1.9	708
5	The MAP Kinase Signaling Cascades: A System of Hundreds of Components Regulates a Diverse Array of Physiological Functions. Methods in Molecular Biology, 2010, 661, 3-38.	0.4	489
6	Vimentin-Dependent Spatial Translocation of an Activated MAP Kinase in Injured Nerve. Neuron, 2005, 45, 715-726.	3.8	483
7	Cross-talk between Akt, p53 and Mdm2: possible implications for the regulation of apoptosis. Oncogene, 2002, 21, 1299-1303.	2.6	431
8	The ERK Cascade: Distinct Functions within Various Subcellular Organelles. Genes and Cancer, 2011, 2, 195-209.	0.6	413
9	Selective requirement for MAP kinase activation in thymocyte differentiation. Nature, 1995, 373, 620-623.	13.7	386
10	The ERK Cascade: A Prototype of MAPK Signaling. Molecular Biotechnology, 2005, 31, 151-174.	1.3	383
11	In Situ Activation Pattern ofDrosophilaEGF Receptor Pathway During Development. Science, 1997, 277, 1103-1106.	6.0	360
12	Taxol-induced apoptosis depends on MAP kinase pathways (ERK and p38) and is independent of p53. Oncogene, 2001, 20, 147-155.	2.6	332
13	Activation of MAPK Cascades by G-protein-coupled Receptors: The Case of Gonadotropin-releasing Hormone Receptor. Trends in Endocrinology and Metabolism, 2000, 11, 91-99.	3.1	301
14	DNA-Independent PARP-1 Activation by Phosphorylated ERK2 Increases Elk1 Activity: A Link to Histone Acetylation. Molecular Cell, 2007, 25, 297-308.	4.5	289
15	Specific and Differential Activation of Mitogen-Activated Protein Kinase Cascades by Unfamiliar Taste in the Insular Cortex of the Behaving Rat. Journal of Neuroscience, 1998, 18, 10037-10044.	1.7	276
16	Mechanism of short-term ERK activation by electromagnetic fields at mobile phone frequencies. Biochemical Journal, 2007, 405, 559-568.	1.7	230
17	Identification and Characterization of a General Nuclear Translocation Signal in Signaling Proteins. Molecular Cell, 2008, 31, 850-861.	4.5	230
18	The ERK Signaling Cascade Inhibits Gonadotropin-stimulated Steroidogenesis. Journal of Biological Chemistry, 2001, 276, 13957-13964.	1.6	209

#	Article	IF	Citations
19	Inactivation of Glycogen Synthase Kinase-3 by Epidermal Growth Factor Is Mediated by Mitogen-activated Protein Kinase/p90 Ribosomal Protein S6 Kinase Signaling Pathway in NIH/3T3 Cells. Journal of Biological Chemistry, 1995, 270, 987-990.	1.6	201
20	Fibroblast Growth Factor Promotes Recruitment of Skeletal Muscle Satellite Cells in Young and Old Rats. Journal of Histochemistry and Cytochemistry, 1999, 47, 23-42.	1.3	181
21	Phosphorylation of Insulin Receptor Substrate-1 (IRS-1) by Protein Kinase B Positively Regulates IRS-1 Function. Journal of Biological Chemistry, 1999, 274, 28816-28822.	1.6	167
22	Intracellular Signaling Pathways Mediated by the Gonadotropin-Releasing Hormone (GnRH) Receptor. Archives of Medical Research, 2001, 32, 499-509.	1.5	165
23	Interaction with MEK Causes Nuclear Export and Downregulation of Peroxisome Proliferator-Activated Receptor Î³. Molecular and Cellular Biology, 2007, 27, 803-817.	1.1	156
24	Hippocampal plasticity involves extensive gene induction and multiple cellular mechanisms. Journal of Molecular Neuroscience, 1998, 10, 75-98.	1.1	147
25	CXCL12 secretion by bone marrow stromal cells is dependent on cell contact and mediated by connexin-43 and connexin-45 gap junctions. Nature Immunology, 2011, 12, 391-398.	7.0	142
26	Vimentin Binding to Phosphorylated Erk Sterically Hinders Enzymatic Dephosphorylation of the Kinase. Journal of Molecular Biology, 2006, 364, 938-944.	2.0	141
27	ErbB Tyrosine Kinases and the Two Neuregulin Families Constitute a Ligand-Receptor Network. Molecular and Cellular Biology, 1998, 18, 6090-6101.	1.1	129
28	Detection of ERK activation by a novel monoclonal antibody. FEBS Letters, 1997, 408, 292-296.	1.3	128
29	Identification of a Cytoplasmic-Retention Sequence in ERK2. Journal of Biological Chemistry, 1999, 274, 30349-30352.	1.6	128
30	MAPK- Kinases as Nucleo-Cytoplasmic Shuttles for PPARÎ³. Cell Cycle, 2007, 6, 1539-1548.	1.3	125
31	Fibroblast growth factor (FGF) signaling through PI 3-kinase and Akt/PKB is required for embryoid body differentiation. Oncogene, 2000, 19, 3750-3756.	2.6	121
32	Nuclear ERK: Mechanism of Translocation, Substrates, and Role in Cancer. International Journal of Molecular Sciences, 2019, 20, 1194.	1.8	121
33	Interactions of Î² and Î³ENaC with Nedd4 Can Be Facilitated by an ERK-mediated Phosphorylation. Journal of Biological Chemistry, 2002, 277, 13539-13547.	1.6	119
34	Activation of MAPK Cascades by GnRH: ERK and Jun N-Terminal Kinase Are Involved in Basal and GnRH-Stimulated Activity of the Glycoprotein Hormone LHÎ²-Subunit Promoter. Endocrinology, 2002, 143, 1018-1025.	1.4	115
35	The ERK signaling cascadeâ€"Views from different subcellular compartments. BioFactors, 2009, 35, 407-416.	2.6	111
36	Activation of AMP-activated protein kinase by human EGF receptor 2/EGF receptor tyrosine kinase inhibitor protects cardiac cells. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 10607-10612.	3.3	106

#	Article	IF	Citations
37	Stimulation of Jun N-Terminal Kinase (JNK) by Gonadotropin-Releasing Hormone in Pituitary Î±T3â€“1 Cell Line Is Mediated by Protein Kinase C, c-Src, and CDC42. Molecular Endocrinology, 1998, 12, 815-824.	3.7	105
38	The nuclear translocation of ERK1/2 as an anticancer target. Nature Communications, 2015, 6, 6685.	5.8	104
39	Proteinâ€“Protein Interactions in the Regulation of the Extracellular Signal-Regulated Kinase. Molecular Biotechnology, 2005, 29, 57-74.	1.3	101
40	Identification of Extracellular Signal-regulated Kinase 1/2 and p38 MAPK as Regulators of Human Sperm Motility and Acrosome Reaction and as Predictors of Poor Spermatozoan Quality. Journal of Biological Chemistry, 2008, 283, 14479-14489.	1.6	100
41	The subcellular localization of MEK and ERKâ€”A novel nuclear translocation signal (NTS) paves a way to the nucleus. Molecular and Cellular Endocrinology, 2010, 314, 213-220.	1.6	99
42	Regulation of p53. Annals of the New York Academy of Sciences, 2002, 973, 374-383.	1.8	92
43	Role of Dynamin, Src, and Ras in the Protein Kinase C-mediated Activation of ERK by Gonadotropin-releasing Hormone. Journal of Biological Chemistry, 2001, 276, 4554-4563.	1.6	90
44	Down-Regulation of Steroidogenic Response to Gonadotropins in Human and Rat Preovulatory Granulosa Cells Involves Mitogen-Activated Protein Kinase Activation and Modulation of DAX-1 and Steroidogenic Factor-1. Journal of Clinical Endocrinology and Metabolism, 2003, 88, 2288-2299.	1.8	88
45	The dynamic subcellular localization of ERK: mechanisms of translocation and role in various organelles. Current Opinion in Cell Biology, 2016, 39, 15-20.	2.6	87
46	Neu Differentiation Factor Stimulates Phosphorylation and Activation of the Sp1 Transcription Factor. Molecular and Cellular Biology, 1999, 19, 1961-1972.	1.1	85
47	ERK1c regulates Golgi fragmentation during mitosis. Journal of Cell Biology, 2006, 172, 885-897.	2.3	85
48	Extracellular Signal-Regulated Kinase, Jun N-Terminal Kinase, p38, and c-Src Are Involved in Gonadotropin-Releasing Hormone-Stimulated Activity of the Glycoprotein Hormone Follicle-Stimulating Hormone Î²-Subunit Promoter. Endocrinology, 2004, 145, 2228-2244.	1.4	84
49	Calcium regulates ERK signaling by modulating its protein-protein interactions. Communicative and Integrative Biology, 2008, 1, 4-5.	0.6	76
50	Nuclear to cytoplasmic shuttling of ERK promotes differentiation of muscle stem/progenitor cells. Development (Cambridge), 2014, 141, 2611-2620.	1.2	76
51	Involvement of the Activation Loop of ERK in the Detachment from Cytosolic Anchoring. Journal of Biological Chemistry, 2001, 276, 24490-24497.	1.6	74
52	Nuclear Extracellular Signal-Regulated Kinase 1 and 2 Translocation Is Mediated by Casein Kinase 2 and Accelerated by Autophosphorylation. Molecular and Cellular Biology, 2011, 31, 3515-3530.	1.1	73
53	Co-stimulation-dependent activation of a JNK-kinase in T lymphocytes. European Journal of Immunology, 1998, 28, 2320-2330.	1.6	71
54	Glycolysis and glucose transporter 1 as markers of response to hormonal therapy in breast cancer. International Journal of Cancer, 2003, 107, 177-182.	2.3	71

#	Article	IF	Citations
55	Activation of Mitogen-activated protein kinase (MAPK) by GnRH is cell-context dependent. Molecular and Cellular Endocrinology, 2006, 252, 184-190.	1.6	70
56	c-Src Is Activated by the Epidermal Growth Factor Receptor in a Pathway That Mediates JNK and ERK Activation by Gonadotropin-releasing Hormone in COS7 Cells. Journal of Biological Chemistry, 2003, 278, 32618-32630.	1.6	69
57	ERK1b, a 46-kDa ERK Isoform That Is Differentially Regulated by MEK. Journal of Biological Chemistry, 2000, 275, 15799-15808.	1.6	68
58	Gonadotropin-Releasing Hormone Induces Apoptosis of Prostate Cancer Cells. Cancer Research, 2004, 64, 5736-5744.	0.4	68
59	The ERK cascade inhibitors: Towards overcoming resistance. Drug Resistance Updates, 2016, 25, 1-12.	6.5	67
60	Mechanisms of gonadotropin desensitization. Molecular and Cellular Endocrinology, 2002, 187, 69-74.	1.6	64
61	Gonadotropin-releasing hormone in apoptosis of prostate cancer cells. Cancer Letters, 2006, 234, 109-123.	3.2	63
62	Overexpressed tau protein in cultured cells is phosphorylated without formation of PHF: implication of phosphoprotein phosphatase involvement. Molecular Brain Research, 1995, 34, 1-17.	2.5	61
63	The MAP Kinase Cascade. , 1995, 50, 131-159.		61
64	Atypical PKC-Î¶ regulates SDF-1â€“mediated migration and development of human CD34+ progenitor cells. Journal of Clinical Investigation, 2005, 115, 168-176.	3.9	61
65	CPG16, a Novel Protein Serine/Threonine Kinase Downstream of cAMP-dependent Protein Kinase. Journal of Biological Chemistry, 1999, 274, 2631-2636.	1.6	60
66	The Requirement of Both Extracellular Regulated Kinase and p38 Mitogen-activated Protein Kinase for Stimulation of Cytosolic Phospholipase A2 Activity by Either FcÎ³RIIA or FcÎ³RIIIB in Human Neutrophils. Journal of Biological Chemistry, 2000, 275, 12416-12423.	1.6	60
67	MEK5 and ERK5 are localized in the nuclei of resting as well as stimulated cells, while MEKK2 translocates from the cytosol to the nucleus upon stimulation. Journal of Cell Science, 2004, 117, 1773-1784.	1.2	60
68	Extracellular phosphorylation converts pigment epitheliumâ€“derived factor from a neurotrophic to an antiangiogenic factor. Blood, 2005, 105, 670-678.	0.6	60
69	Identification of an Activator of the Microtubule-Associated Protein 2 Kinases ERK1 and ERK2 in PC12 Cells Stimulated with Nerve Growth Factor or Bradykinin. Journal of Neurochemistry, 1992, 59, 147-156.	2.1	59
70	Extracellular Signal-Regulated Kinase 1c (ERK1c), a Novel 42-Kilodalton ERK, Demonstrates Unique Modes of Regulation, Localization, and Function. Molecular and Cellular Biology, 2004, 24, 10000-10015.	1.1	58
71	BMP-4 Regulates the Dorsalâ€“Ventral Differences in FGF/MAPKK-Mediated Mesoderm Induction inXenopus. Developmental Biology, 1995, 172, 242-252.	0.9	55
72	LIS1 is a microtubule-associated phosphoprotein. FEBS Journal, 1999, 265, 181-188.	0.2	53

#	Article	IF	Citations
73	The ERK Cascade As a Prototype of MAPK Signaling Pathways. , 2004, 250, 1-28.		52
74	ERK as a Model for Systems Biology ofÂEnzymeÂKinetics in Cells. Current Biology, 2013, 23, R972-R979.	1.8	52
75	Regulation of cell proliferation by ERK and signal-dependent nuclear translocation of ERK is dependent on Tm5NM1-containing actin filaments. Molecular Biology of the Cell, 2015, 26, 2475-2490.	0.9	52
76	The CK2 Phosphorylation of Vitronectin. Journal of Biological Chemistry, 2001, 276, 16998-17006.	1.6	50
77	Lipid constituents in oligodendroglial cells alter susceptibility to H2O2-induced apoptotic cell death via ERK activation. Journal of Neurochemistry, 2008, 76, 910-918.	2.1	49
78	PPAR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi></mml:math>and MEK Interactions in Cancer. PPAR Research, 2008, 2008, 1-16.	1.1	49
79	The Nuclear Translocation of Mitogen-Activated Protein Kinases: Molecular Mechanisms and Use as Novel Therapeutic Target. Neuroendocrinology, 2019, 108, 121-131.	1.2	48
80	Extracellular Signal-Regulated Kinase and c-Src, But Not Jun N-Terminal Kinase, Are Involved in Basal and Gonadotropin-Releasing Hormone-Stimulated Activity of the Glycoprotein Hormone Î±-Subunit Promoter. Endocrinology, 2003, 144, 612-622.	1.4	47
81	Detection of partially phosphorylated forms of ERK by monoclonal antibodies reveals spatial regulation of ERK activity by phosphatases. FEBS Letters, 2000, 468, 37-42.	1.3	46
82	Differential Activation of Mitogen-activated Protein Kinase and S6 Kinase Signaling Pathways by 12-O-Tetradecanoylphorbol-13-acetate (TPA) and Insulin. Journal of Biological Chemistry, 1995, 270, 28325-28330.	1.6	45
83	Altered Regulation of ERK1b by MEK1 and PTP-SL and Modified Elk1 Phosphorylation by ERK1b Are Caused by Abrogation of the Regulatory C-terminal Sequence of ERKs. Journal of Biological Chemistry, 2001, 276, 35280-35289.	1.6	45
84	Signal transduction of the gonadotropin releasing hormone (GnRH) receptor: Cross-talk of calcium, protein kinase C (PKC), and arachidonic acid. Cellular and Molecular Neurobiology, 1995, 15, 527-544.	1.7	44
85	Mechanism of GnRH receptor signaling on gonadotropin release and gene expression in pituitary gonadotrophs. Vitamins and Hormones, 2001, 63, 63-90.	0.7	42
86	Maturation-Promoting Factor Governs Mitogen-Activated Protein Kinase Activation and Interphase Suppression During Meiosis of Rat Oocytes1. Biology of Reproduction, 2003, 68, 1282-1290.	1.2	42
87	The Cytoskeletal Network Controls c-Jun Expression and Glucocorticoid Receptor Transcriptional Activity in an Antagonistic and Cell-Type-Specific Manner. Molecular and Cellular Biology, 1999, 19, 1742-1750.	1.1	41
88	Non-regulated and stimulated mechanisms cooperate in the nuclear accumulation of MEK1. Oncogene, 2001, 20, 7588-7596.	2.6	41
89	Casein kinase 2 specifically binds to and phosphorylates the carboxy termini of ENaC subunits. FEBS Journal, 2002, 269, 4551-4558.	0.2	39
90	The Ras Inhibitors Caveolin-1 and Docking Protein 1 Activate Peroxisome Proliferator-Activated Receptor Î³ through Spatial Relocalization at Helix 7 of Its Ligand-Binding Domain. Molecular and Cellular Biology, 2011, 31, 3497-3510.	1.1	39

#	Article	IF	Citations
91	Manipulation of redox signaling in mammalian cells enabled by controlled photogeneration of reactive oxygen species. Journal of Cell Science, 2005, 118, 1957-1969.	1.2	38
92	Specific phosphorylation and activation of ERK1c by MEK1b: a unique route in the ERK cascade. Genes and Development, 2009, 23, 1779-1790.	2.7	38
93	Mechanism of Mitogen-Activated Protein Kinase Activation by Gonadotropin-Releasing Hormone in the Pituitary Î±T3â€“1 Cell Line: Differential Roles of Calcium and Protein Kinase C. , 0, .		38
94	The nuclear translocation of the kinases p38 and JNK promotes inflammation-induced cancer. Science Signaling, 2018, 11, .	1.6	36
95	Calcium-mediated Interactions Regulate the Subcellular Localization of Extracellular Signal-regulated Kinases. Journal of Biological Chemistry, 2008, 283, 11176-11189.	1.6	35
96	Beta-Like Importins Mediate the Nuclear Translocation of Mitogen-Activated Protein Kinases. Molecular and Cellular Biology, 2014, 34, 259-270.	1.1	32
97	Nuclear P38: Roles in Physiological and Pathological Processes and Regulation of Nuclear Translocation. International Journal of Molecular Sciences, 2020, 21, 6102.	1.8	32
98	Stimulated nuclear import by Î²-like importins. F1000prime Reports, 2013, 5, 41.	5.9	32
99	ATM-dependent activation of the gene encoding MAP kinase phosphatase 5 by radiomimetic DNA damage. Oncogene, 2002, 21, 849-855.	2.6	31
100	Phosphomimetic Mutants of Pigment Epithelium-Derived Factor with Enhanced Antiangiogenic Activity as Potent Anticancer Agents. Cancer Research, 2010, 70, 6247-6257.	0.4	31
101	Extremely lowâ€frequency magnetic fields and risk of childhood leukemia: A risk assessment by the ARIMMORA consortium. Bioelectromagnetics, 2016, 37, 183-189.	0.9	31
102	Direct binding of MEK1 and MEK2 to AKT induces Foxo1 phosphorylation, cellular migration and metastasis. Scientific Reports, 2017, 7, 43078.	1.6	31
103	Ras-Signaling Pathways: Positive and Negative Regulation of Tau Expression in PC12 Cells. Journal of Neurochemistry, 2002, 70, 428-431.	2.1	29
104	A Preformed Signaling Complex Mediates GnRH-Activated ERK Phosphorylation of Paxillin and FAK at Focal Adhesions in LÎ²T2 Gonadotrope Cells. Molecular Endocrinology, 2009, 23, 1850-1864.	3.7	29
105	Pigment Epithelium-derived Factor and Its Phosphomimetic Mutant Induce JNK-dependent Apoptosis and p38-mediated Migration Arrest. Journal of Biological Chemistry, 2011, 286, 3540-3551.	1.6	29
106	The Molecular Mechanism of MAPK / ERK Inactivation. Current Genomics, 2004, 5, 385-393.	0.7	29
107	The Role of ERK Signaling in Experimental Autoimmune Encephalomyelitis. International Journal of Molecular Sciences, 2017, 18, 1990.	1.8	28
108	Variable phosphorylation states of pigment-epitheliumâ€“derived factor differentially regulate its function. Blood, 2006, 107, 2745-2752.	0.6	27

#	Article	IF	Citations
109	Differential Role of PKC Isoforms in GnRH and Phorbol 12-Myristate 13-Acetate Activation of Extracellular Signal-Regulated Kinase and Jun N-Terminal Kinase. Endocrinology, 2010, 151, 4894-4907.	1.4	24
110	High Throughput Analysis of Golgi Structure by Imaging Flow Cytometry. Scientific Reports, 2017, 7, 788.	1.6	23
111	Nuclear ERK Translocation is Mediated by Protein Kinase CK2 and Accelerated by Autophosphorylation. Cellular Physiology and Biochemistry, 2019, 53, 366-387.	1.1	23
112	Intrinsically active MEK variants are differentially regulated by proteinases and phosphatases. Scientific Reports, 2018, 8, 11830.	1.6	22
113	Myotubularin-related protein 7 inhibits insulin signaling in colorectal cancer. Oncotarget, 2016, 7, 50490-50506.	0.8	21
114	Mitotic Golgi translocation of ERK1c is mediated by PI4KIIIÎ²/14-3-3Î³ shuttling complex. Journal of Cell Science, 2015, 128, 4083-95.	1.2	20
115	The Nuclear Translocation of ERK. Methods in Molecular Biology, 2017, 1487, 175-194.	0.4	19
116	Activation of Signaling Cascades by Weak Extremely Low Frequency Electromagnetic Fields. Cellular Physiology and Biochemistry, 2017, 43, 1533-1546.	1.1	19
117	GRFÎ², a Novel Regulator of Calcium Signaling, Is Expressed in Pancreatic Beta Cells and Brain. Journal of Biological Chemistry, 1999, 274, 24449-24452.	1.6	18
118	Role of PI4K and PI3K-AKT in ERK1/2 activation by GnRH in the pituitary gonadotropes. Molecular and Cellular Endocrinology, 2015, 415, 12-23.	1.6	18
119	Calcium Regulation of EGF-Induced ERK5 Activation: Role of Lad1-MEKK2 Interaction. PLoS ONE, 2010, 5, e12627.	1.1	17
120	Differential signaling of the GnRH receptor in pituitary gonadotrope cell lines and prostate cancer cell lines. Molecular and Cellular Endocrinology, 2013, 369, 107-118.	1.6	17
121	Alternative Splicing of MAPKs in the Regulation of Signaling Specificity. Cells, 2021, 10, 3466.	1.8	17
122	Distinct pathways for the involvement of WNK4 in the signaling of hypertonicity and EGF. FEBS Journal, 2008, 275, 1631-1642.	2.2	16
123	Combined inhibition of MEK and nuclear ERK translocation has synergistic antitumor activity in melanoma cells. Scientific Reports, 2017, 7, 16345.	1.6	16
124	Beta-Like Importins Mediate the Nuclear Translocation of MAPKs. Cellular Physiology and Biochemistry, 2019, 52, 802-821.	1.1	16
125	Conjugates of gonadotropin releasing hormone (GnRH) with carminic acid: Synthesis, generation of reactive oxygen species (ROS) and biological evaluation. Bioorganic and Medicinal Chemistry, 2008, 16, 6789-6798.	1.4	15
126	Gq Protein-induced Apoptosis Is Mediated by AKT Kinase Inhibition That Leads to Protein Kinase C-induced c-Jun N-terminal Kinase Activation. Journal of Biological Chemistry, 2011, 286, 31022-31031a.	1.6	14

#	Article	IF	Citations
127	Gq-Induced Apoptosis is Mediated by AKT Inhibition That Leads to PKC-Induced JNK Activation. Cellular Physiology and Biochemistry, 2018, 50, 121-135.	1.1	14
128	Mxi2 sustains ERK1/2 phosphorylation in the nucleus by preventing ERK1/2 binding to phosphatases. Biochemical Journal, 2012, 441, 571-578.	1.7	13
129	Growth Factorâ€Stimulated Phosphorylation Cascades: Activation of Growth Factorâ€Stimulated Map Kinase. Novartis Foundation Symposium, 1992, 164, 113-131.	1.2	13
130	Nucleoporin-93 reveals a common feature of aggressive breast cancers: robust nucleocytoplasmic transport of transcription factors. Cell Reports, 2022, 38, 110418.	2.9	12
131	Differential roles of PKC isoforms (PKCs) and Ca 2+ in GnRH and phorbol 12-myristate 13-acetate (PMA) stimulation of p38MAPK phosphorylation in immortalized gonadotrope cells. Molecular and Cellular Endocrinology, 2017, 439, 141-154.	1.6	11
132	GnRH Induces ERK-Dependent Bleb Formation in Gonadotrope Cells, Involving Recruitment of Members of a GnRH Receptor-Associated Signalosome to the Blebs. Frontiers in Endocrinology, 2017, 8, 113.	1.5	11
133	Pigment Epithelium-Derived Factor and its Phosphomimetic Mutant Induce JNK-Dependent Apoptosis and P38-Mediated Migration Arrest. Cellular Physiology and Biochemistry, 2018, 49, 512-529.	1.1	11
134	Activation of a 74 kDa plasma membrane protein kinase by hyperosmotic shocks in the halotolerant alga Dunaliella salina. Journal of Plant Physiology, 1997, 151, 429-436.	1.6	9
135	Induction of intracellular signalling by cyclic glycerophosphates and their deoxy analogues. FEBS Journal, 2000, 267, 2547-2554.	0.2	9
136	Deletion of Alloreactive T Cells by Veto Cytotoxic T Lymphocytes Is Mediated Through Extracellular Signal-Regulated Kinase Phosphorylation. Transplantation, 2010, 90, 380-386.	0.5	9
137	Mitotic HOOK3 phosphorylation by ERK1c drives microtubule-dependent Golgi destabilization and fragmentation. IScience, 2021, 24, 102670.	1.9	9
138	Determination of ERK Activity: Anti-phospho-ERK Antibodies and In Vitro Phosphorylation. Methods in Molecular Biology, 2010, 661, 39-58.	0.4	9
139	A 50-kDa ERK-like protein is up-regulated by a dual altered peptide ligand that suppresses myasthenia gravis-associated responses. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 18232-18237.	3.3	8
140	ERK Signaling in Colorectal Cancer: A Preliminary Report on the Expression of Phosphorylated ERK and the Effects of Radiation Therapy. American Journal of Clinical Oncology: Cancer Clinical Trials, 2008, 31, 255-258.	0.6	8
141	Role of Non-phosphorylated Activation Loop Residues in Determining ERK2 Dephosphorylation, Activity, and Subcellular Localization. Journal of Biological Chemistry, 2007, 282, 25114-25122.	1.6	7
142	Nuclear localization of phosphorylated ERK1 and ERK2 as markers for the progression of ovarian cancer. International Journal of Oncology, 2011, 39, 649-56.	1.4	7
143	Calcium-Mediated Interactions Regulate the Subcellular Localization of Extracellular Signal-Regulated Kinases (ERKs). Cellular Physiology and Biochemistry, 2020, 54, 474-492.	1.1	7
144	Dynamic distribution of ERK, p38 and JNK during the development of pancreatic ductal adenocarcinoma. Acta Histochemica, 2014, 116, 1434-1442.	0.9	6

#	Article	IF	Citations
145	Mek1. The AFCS-nature Molecule Pages, 0, , .	0.2	6
146	GqPCR-stimulated dephosphorylation of AKT is induced by an IGBP1-mediated PP2A switch. Cell Communication and Signaling, 2022, 20, 5.	2.7	6
147	The extra-cellular signal regulated kinases ERK1 and ERK2 segregate displaying distinct spatiotemporal characteristics in activated mast cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2013, 1833, 2070-2082.	1.9	5
148	SB203580 Induces Prolonged B-Raf Activation and Promotes Neuronal Differentiation upon EGF Treatment of PC12 Cells. Biochemistry (Moscow), 2004, 69, 799-805.	0.7	3
149	The Detection of MAPK Signaling. Current Protocols in Cell Biology, 2005, 28, Unit 14.3.	2.3	3
150	The Detection of MAPK Signaling. Current Protocols in Molecular Biology, 2006, 73, Unit 18.12.	2.9	3
151	Ligand interaction scan (LIScan) in the study of ERK8. Biochemical and Biophysical Research Communications, 2010, 399, 37-41.	1.0	3
152	Involvement of the activation loop of ERK in the detachment from cytosolic anchoring.. Journal of Biological Chemistry, 2017, 292, 8853.	1.6	3
153	Two initiation sites of early detection of colon cancer revealed by localization of pERK1/2 in the nuclei or in aggregates at the perinuclear region of the tumor cells. Acta Histochemica, 2013, 115, 569-576.	0.9	2
154	Pigment epithelium-derived factor and its phosphomimetic mutant induce JNK-dependent apoptosis and p38-mediated migration arrest.. Journal of Biological Chemistry, 2017, 292, 8849.	1.6	2
155	ERK1b, a 46â€kDa ERK isoform that is differentially regulated by MEK. Cell Biology International, 2022, , .	1.4	2
156	Applying imaging flow cytometry and immunofluorescence in studying the dynamic Golgi structure in cultured cells. STAR Protocols, 2022, 3, 101278.	0.5	2
157	Construction of nucleosome cores from defined DNA sequences of prokaryotic origin. International Journal of Biological Macromolecules, 1992, 14, 249-256.	3.6	1
158	The Neurotrophic and Antiangiogenic Functions of PEDF: A Reflection of its Variable Phosphorylation States. Current Genomics, 2005, 6, 597-607.	0.7	1
159	Two initiation sites of early detection of colon cancer, revealed by localization of pERK1/2 in the nuclei or in aggregates at the perinuclear region of tumor cells. International Journal of Oncology, 2011, 40, 782-8.	1.4	1
160	c-Src is activated by the epidermal growth factor receptor in a pathway that mediates JNK and ERK activation by gonadotropin-releasing hormone in COS7 cells.. Journal of Biological Chemistry, 2017, 292, 8851.	1.6	1
161	ERK1b, a 46-kDa ERK isoform that is differentially regulated by MEK.. Journal of Biological Chemistry, 2017, 292, 8854.	1.6	1
162	Altered regulation of ERK1b by MEK1 and PTP-SL and modified Elk1 phosphorylation by ERK1b are caused by abrogation of the regulatory C-terminal sequence of ERKs.. Journal of Biological Chemistry, 2017, 292, 8852.	1.6	1

#	Article	IF	Citations
163	RAF, MEK and ERK Inhibitors as Anti-Cancer Drugs: Intrinsic and Acquired Resistance as a Major Therapeutic Challenge. Resistance To Targeted Anti-cancer Therapeutics, 2018, , 89-116.	0.1	1
164	The Role of ERK5 Signaling in Tolerance Induction by Veto CTLs.. Blood, 2005, 106, 3302-3302.	0.6	1
165	Gq protein-induced apoptosis is mediated by AKT kinase inhibition that leads to protein kinase C-induced c-Jun N-terminal kinase activation.. Journal of Biological Chemistry, 2017, 292, 8848.	1.6	0
166	Calcium-mediated interactions regulate the subcellular localization of extracellular signal-regulated kinases.. Journal of Biological Chemistry, 2017, 292, 8850.	1.6	0
167	The Role of ERK and XIAP in Tolerance Induction by Veto CTLs.. Blood, 2007, 110, 3256-3256.	0.6	0
168	Functional SDF-1 Secretion from BM Stromal Cells Is a Cell Contact-Dependent Event Mediated by Cx43 and Cx45 Gap-Junctions. Blood, 2008, 112, 319-319.	0.6	0
169	Gonadotropin-Releasing Hormone. , 2011, , 1577-1580.		0
170	Gonadotropin-Releasing Hormone. , 2016, , 1938-1941.		0
171	Role of dynamin, Src, and Ras in the protein kinase C-mediated activation of ERK by gonadotropin-releasing hormone.. Journal of Biological Chemistry, 2017, 292, 8855.	1.6	0
172	Mek. , 2018, , 3035-3042.		0