

David Matallanas

List of Publications by Year in descending order

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66
papers

3,176
citations

147801

31
h-index

161849

54
g-index

73
all docs

73
docs citations

73
times ranked

5036
citing authors

#	ARTICLE	IF	CITATIONS
1	RASSF1A Elicits Apoptosis through an MST2 Pathway Directing Proapoptotic Transcription by the p73 Tumor Suppressor Protein. <i>Molecular Cell</i> , 2007, 27, 962-975.	9.7	369
2	Raf Family Kinases: Old Dogs Have Learned New Tricks. <i>Genes and Cancer</i> , 2011, 2, 232-260.	1.9	322
3	Dnmt3a and Dnmt3b Associate with Enhancers to Regulate Human Epidermal Stem Cell Homeostasis. <i>Cell Stem Cell</i> , 2016, 19, 491-501.	11.1	170
4	Protein interaction switches coordinate Raf-1 and MST2/Hippo signalling. <i>Nature Cell Biology</i> , 2014, 16, 673-684.	10.3	138
5	Mutant K-Ras Activation of the Proapoptotic MST2 Pathway Is Antagonized by Wild-Type K-Ras. <i>Molecular Cell</i> , 2011, 44, 893-906.	9.7	127
6	Distinct Utilization of Effectors and Biological Outcomes Resulting from Site-Specific Ras Activation: Ras Functions in Lipid Rafts and Golgi Complex Are Dispensable for Proliferation and Transformation. <i>Molecular and Cellular Biology</i> , 2006, 26, 100-116.	2.3	110
7	Differences on the Inhibitory Specificities of H-Ras, K-Ras, and N-Ras (N17) Dominant Negative Mutants Are Related to Their Membrane Microlocalization. <i>Journal of Biological Chemistry</i> , 2003, 278, 4572-4581.	3.4	102
8	Proapoptotic Kinase MST2 Coordinates Signaling Crosstalk between RASSF1A, Raf-1, and Akt. <i>Cancer Research</i> , 2010, 70, 1195-1203.	0.9	99
9	Common and Distinctive Functions of the Hippo Effectors Taz and Yap in Skeletal Muscle Stem Cell Function. <i>Stem Cells</i> , 2017, 35, 1958-1972.	3.2	93
10	Activation of H-Ras in the Endoplasmic Reticulum by the RasGRF Family Guanine Nucleotide Exchange Factors. <i>Molecular and Cellular Biology</i> , 2004, 24, 1516-1530.	2.3	87
11	The RASSF8 candidate tumor suppressor inhibits cell growth and regulates the Wnt and NF- κ B signaling pathways. <i>Oncogene</i> , 2010, 29, 4307-4316.	5.9	83
12	HGF Induces Epithelial-to-Mesenchymal Transition by Modulating the Mammalian Hippo/MST2 and ISG15 Pathways. <i>Journal of Proteome Research</i> , 2014, 13, 2874-2886.	3.7	82
13	RASSF2 associates with and stabilizes the proapoptotic kinase MST2. <i>Oncogene</i> , 2009, 28, 2988-2998.	5.9	77
14	RASSF1A uncouples Wnt from Hippo signalling and promotes YAP mediated differentiation via p73. <i>Nature Communications</i> , 2018, 9, 424.	12.8	72
15	Vav mediates Ras stimulation by direct activation of the GDP/GTP exchange factor Ras GRP1. <i>EMBO Journal</i> , 2003, 22, 3326-3336.	7.8	68
16	The MST/Hippo Pathway and Cell Death: A Non-Canonical Affair. <i>Genes</i> , 2016, 7, 28.	2.4	65
17	Mammalian Sterile 20-Like Kinases in Tumor Suppression: An Emerging Pathway. <i>Cancer Research</i> , 2005, 65, 5485-5487.	0.9	53
18	Dissecting RAF Inhibitor Resistance by Structure-based Modeling Reveals Ways to Overcome Oncogenic RAS Signaling. <i>Cell Systems</i> , 2018, 7, 161-179.e14.	6.2	53

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19	Subcellular Localization Determines the Protective Effects of Activated ERK2 against Distinct Apoptogenic Stimuli in Myeloid Leukemia Cells. <i>Journal of Biological Chemistry</i> , 2004, 279, 32813-32823.	3.4	51
20	The complexities and versatility of the RAS-to-ERK signalling system in normal and cancer cells. <i>Seminars in Cell and Developmental Biology</i> , 2016, 58, 96-107.	5.0	51
21	Vgll3 operates via Tead1, Tead3 and Tead4 to influence myogenesis in skeletal muscle. <i>Journal of Cell Science</i> , 2019, 132, .	2.0	48
22	Signalling by protein phosphatases and drug development: a systems-centred view. <i>FEBS Journal</i> , 2013, 280, 751-765.	4.7	47
23	A Compendium of Co-regulated Protein Complexes in Breast Cancer Reveals Collateral Loss Events. <i>Cell Systems</i> , 2017, 5, 399-409.e5.	6.2	46
24	RAN GTPase Is a RASSF1A Effector Involved in Controlling Microtubule Organization. <i>Current Biology</i> , 2009, 19, 1227-1232.	3.9	42
25	Extensive rewiring of the EGFR network in colorectal cancer cells expressing transforming levels of KRASG13D. <i>Nature Communications</i> , 2020, 11, 499.	12.8	42
26	The Rho Family GTPase Cdc42 Regulates the Activation of Ras/MAP Kinase by the Exchange Factor Ras-GRF. <i>Journal of Biological Chemistry</i> , 2000, 275, 26441-26448.	3.4	40
27	Frequent loss of RAF kinase inhibitor protein expression in acute myeloid leukemia. <i>Leukemia</i> , 2012, 26, 1842-1849.	7.2	38
28	Myc Antagonizes Ras-mediated Growth Arrest in Leukemia Cells through the Inhibition of the Ras-ERK-p21Cip1 Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 1112-1122.	3.4	37
29	An Integrated Global Analysis of Compartmentalized HRAS Signaling. <i>Cell Reports</i> , 2019, 26, 3100-3115.e7.	6.4	36
30	Proteomics and phosphoproteomics for the mapping of cellular signalling networks. <i>Proteomics</i> , 2008, 8, 4402-4415.	2.2	35
31	A Hippo in the ointment: MST signalling beyond the fly. <i>Cell Cycle</i> , 2008, 7, 879-884.	2.6	35
32	Maintenance of Cdc42 GDP-bound State by Rho-GDI Inhibits MAP Kinase Activation by the Exchange Factor Ras-GRF. <i>Journal of Biological Chemistry</i> , 2001, 276, 21878-21884.	3.4	32
33	RASSF1A Tumour Suppressor: Target the Network for Effective Cancer Therapy. <i>Cancers</i> , 2020, 12, 229.	3.7	32
34	The Differential Effects of Wild-Type and Mutated K-Ras on MST2 Signaling Are Determined by K-Ras Activation Kinetics. <i>Molecular and Cellular Biology</i> , 2013, 33, 1859-1868.	2.3	31
35	Nanoparticles Can Wrap Epithelial Cell Membranes and Relocate Them Across the Epithelial Cell Layer. <i>Nano Letters</i> , 2018, 18, 5294-5305.	9.1	27
36	The Ins and Outs of RAS Effector Complexes. <i>Biomolecules</i> , 2021, 11, 236.	4.0	27

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37	A microfluidic dual gradient generator for conducting cell-based drug combination assays. <i>Integrative Biology (United Kingdom)</i> , 2016, 8, 39-49.	1.3	25
38	The spatiotemporal regulation of RAS signalling. <i>Biochemical Society Transactions</i> , 2016, 44, 1517-1522.	3.4	20
39	Genes expression profiling of alveolar macrophages exposed to non-functionalized, anionic and cationic multi-walled carbon nanotubes shows three different mechanisms of toxicity. <i>Journal of Nanobiotechnology</i> , 2020, 18, 36.	9.1	19
40	Accurate prediction of kinase-substrate networks using knowledge graphs. <i>PLoS Computational Biology</i> , 2020, 16, e1007578.	3.2	19
41	New druggable targets in the Ras pathway?. <i>Current Opinion in Molecular Therapeutics</i> , 2010, 12, 674-83.	2.8	19
42	Increased extracellular vesicles mediate inflammatory signalling in cystic fibrosis. <i>Thorax</i> , 2020, 75, 449-458.	5.6	17
43	Increased Virulence of Bloodstream Over Peripheral Isolates of <i>P. aeruginosa</i> Identified Through Post-transcriptional Regulation of Virulence Factors. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018, 8, 357.	3.9	16
44	Protein and lipid homeostasis altered in rat macrophages after exposure to metallic oxide nanoparticles. <i>Cell Biology and Toxicology</i> , 2020, 36, 65-82.	5.3	16
45	SARAH Domain-Mediated MST2-RASSF Dimeric Interactions. <i>PLoS Computational Biology</i> , 2016, 12, e1005051.	3.2	15
46	Inhaled multi-walled carbon nanotubes differently modulate global gene and protein expression in rat lungs. <i>Nanotoxicology</i> , 2021, 15, 238-256.	3.0	14
47	IQGAP1 Is a Scaffold of the Core Proteins of the Hippo Pathway and Negatively Regulates the Pro-Apoptotic Signal Mediated by This Pathway. <i>Cells</i> , 2021, 10, 478.	4.1	14
48	MST2-RASSF protein-protein interactions through SARAH domains. <i>Briefings in Bioinformatics</i> , 2016, 17, 593-602.	6.5	13
49	Examination and characterisation of burst spinal cord stimulation on cerebrospinal fluid cellular and protein constituents in patient responders with chronic neuropathic pain - A Pilot Study. <i>Journal of Neuroimmunology</i> , 2020, 344, 577249.	2.3	13
50	Hidden Targets in RAF Signalling Pathways to Block Oncogenic RAS Signalling. <i>Genes</i> , 2021, 12, 553.	2.4	13
51	One Hippo and many masters: differential regulation of the Hippo pathway in cancer. <i>Biochemical Society Transactions</i> , 2014, 42, 816-821.	3.4	12
52	BAX and SMAC regulate bistable properties of the apoptotic caspase system. <i>Scientific Reports</i> , 2021, 11, 3272.	3.3	12
53	An Integrative Computational Approach for a Prioritization of Key Transcription Regulators Associated With Nanomaterial-Induced Toxicity. <i>Toxicological Sciences</i> , 2019, 171, 303-314.	3.1	10
54	Genetic Deletion of Zebrafish Rab28 Causes Defective Outer Segment Shedding, but Not Retinal Degeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 136.	3.7	10

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55	Characterisation of HRas local signal transduction networks using engineered site-specific exchange factors. <i>Small GTPases</i> , 2020, 11, 371-383.	1.6	9
56	Resolving the Interactome of the Human Macrophage Immunometabolism Regulator (MACIR) with Enhanced Membrane Protein Preparation and Affinity Proteomics. <i>Proteomics</i> , 2020, 20, e2000062.	2.2	4
57	Proteomic signatures of radioresistance: Alteration of inflammation, angiogenesis and metabolism-related factors in radioresistant oesophageal adenocarcinoma. <i>Cancer Treatment and Research Communications</i> , 2021, 27, 100376.	1.7	3
58	An Investigation into Proteomic Constituents of Cerebrospinal Fluid in Patients with Chronic Peripheral Neuropathic Pain Medicated with Opioids- a Pilot Study. <i>Journal of NeuroImmune Pharmacology</i> , 2020, 16, 634-650.	4.1	2
59	All over the place: deciphering HRAS signaling from different subcellular compartments. <i>Molecular and Cellular Oncology</i> , 2019, 6, e1605821.	0.7	0
60	Quantifying the Kinase Activities of MST1/2. <i>Methods in Molecular Biology</i> , 2019, 1893, 289-304.	0.9	0
61	Accurate prediction of kinase-substrate networks using knowledge graphs. , 2020, 16, e1007578.		0
62	Accurate prediction of kinase-substrate networks using knowledge graphs. , 2020, 16, e1007578.		0
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66	Accurate prediction of kinase-substrate networks using knowledge graphs. , 2020, 16, e1007578.		0