Kavita Shah

List of Publications by Year
in descending order

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114	7,353	57758	58581
papers	citations	44 h-index	82 g-index

138	138	138	9501
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Receptor-interacting protein kinase 2 (RIPK2) stabilizes c-Myc and is a therapeutic target in prostate cancer metastasis. Nature Communications, 2022, 13, 669.	12.8	19
2	Examining the uptake and bioaccumulation of molybdenum nanoparticles and their effect on antioxidant activities in growing rice seedlings. Environmental Science and Pollution Research, 2021, 28, 13439-13453.	5.3	21
3	Phosphorylation-dependent regulation of SPOP by LIMK2 promotes castration-resistant prostate cancer. British Journal of Cancer, 2021, 124, 995-1008.	6.4	15
4	Negative cross talk between LIMK2 and PTEN promotes castration resistant prostate cancer pathogenesis in cells and in vivo. Cancer Letters, 2021, 498, 1-18.	7.2	11
5	LIMK2-NKX3.1 Engagement Promotes Castration-Resistant Prostate Cancer. Cancers, 2021, 13, 2324.	3.7	12
6	Reciprocal deregulation of NKX3.1 and AURKA axis in castration-resistant prostate cancer and NEPC models. Journal of Biomedical Science, 2021, 28, 68.	7.0	0
7	Sucrose plays key role in amelioration of arsenic induced phytotoxicity through modulating phosphate and silicon transporters, physiological and biochemical responses in C3 (Oryza sativa L.) and C4 (Zea mays L.). Environmental and Experimental Botany, 2020, 171, 103930.	4.2	15
8	Molecular Interplay between AURKA and SPOP Dictates CRPC Pathogenesis via Androgen Receptor. Cancers, 2020, 12, 3247.	3.7	12
9	Aurora Kinase A-YBX1 Synergy Fuels Aggressive Oncogenic Phenotypes and Chemoresistance in Castration-Resistant Prostate Cancer. Cancers, 2020, 12, 660.	3.7	19
10	Effective data convergence, mapping, and pollution categorization of ghats at Ganga River Front in Varanasi. Environmental Science and Pollution Research, 2020, 27, 15912-15924.	5.3	19
11	Alterations in antioxidative machinery and growth parameters upon application of nitric oxide donor that reduces detrimental effects of cadmium in rice seedlings with increasing days of growth. South African Journal of Botany, 2020, 131, 283-294.	2.5	19
12	Multifaceted Regulation of ALDH1A1 by Cdk5 in Alzheimerâ€™s Disease Pathogenesis. Molecular Neurobiology, 2019, 56, 1366-1390.	4.0	18
13	A mitotic CDK5-PP4 phospho-signaling cascade primes 53BP1 for DNA repair in G1. Nature Communications, 2019, 10, 4252.	12.8	17
14	Cadmium-Induced Anatomical Abnormalities in Plants. , 2019, , 111-139.		6
15	Renewable energy resources, policies and gaps in BRICS countries and the global impact. Frontiers in Energy, 2019, 13, 506-521.	2.3	46
16	Examining pharmacodynamic and pharmacokinetic properties of eleven analogues of saquinavir for HIV protease inhibition. Archives of Virology, 2019, 164, 949-960.	2.1	4
17	Transgenic Energy Plants for Phytoremediation of Toxic Metals and Metalloids. , 2019, , 319-340.		6
18	Identification of LIMK2 as a therapeutic target in castration resistant prostate cancer. Cancer Letters, 2019, 448, 182-196.	7.2	22

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19	The significant others: Global search for direct kinase substrates using chemical approaches. IUBMB Life, 2019, 71, 721-737.	3.4	13
20	Energy Credit Cards and Incentives for Energy Growth in India. Current Science, 2019, 117, 1441.	0.8	1
21	Mycotoxins and Pesticides: Toxicity and Applications in Food and Feed. , 2018, , 207-252.		9
22	Regulation of inside-out Î²1-integrin activation by CDCP1. Oncogene, 2018, 37, 2817-2836.	5.9	17
23	Epitope imprinting of iron binding protein of Neisseria meningitidis bacteria through multiple monomers imprinting approach. Journal of Molecular Recognition, 2018, 31, e2709.	2.1	19
24	Synthesis and investigations into the anticancer and antibacterial activity studies of Î²-carboline chalcones and their bromide salts. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 1278-1282.	2.2	34
25	Tale of the Good and the Bad Cdk5: Remodeling of the Actin Cytoskeleton in the Brain. Molecular Neurobiology, 2018, 55, 3426-3438.	4.0	72
26	1-Pyrroline-5-carboxylate released by prostate Cancer cell inhibit T cell proliferation and function by targeting SHP1/cytochrome c oxidoreductase/ROS Axis. , 2018, 6, 148.		26
27	Synthesis and anticancer activity studies of indolylisoxazoline analogues. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2842-2845.	2.2	7
28	Reduced Activity of Nitrate Reductase Under Heavy Metal Cadmium Stress in Rice: An in silico Answer. Frontiers in Plant Science, 2018, 9, 1948.	3.6	33
29	A Tale of the Good and Bad: Remodeling of the Microtubule Network in the Brain by Cdk5. Molecular Neurobiology, 2017, 54, 2255-2268.	4.0	50
30	Floodplain Mapping through Support Vector Machine and Optical/Infrared Images from Landsat 8 OLI/TIRS Sensors: Case Study from Varanasi. Water Resources Management, 2017, 31, 1157-1171.	3.9	53
31	Phosphorylation-dependent regulation of ALDH1A1 by Aurora kinase A: insights on their synergistic relationship in pancreatic cancer. BMC Biology, 2017, 15, 10.	3.8	113
32	Aurora A-Twist1 axis promotes highly aggressive phenotypes in pancreatic carcinoma. Journal of Cell Science, 2017, 130, 1078-1093.	2.0	44
33	Design, synthesis and in vitro cytotoxicity studies of novel Î² -carbolinium bromides. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1379-1384.	2.2	12
34	AÎ² plaque-selective NIR fluorescence probe to differentiate Alzheimer's disease from tauopathies. Biosensors and Bioelectronics, 2017, 98, 54-61.	10.1	83
35	Cdk5-Mcl-1 axis promotes mitochondrial dysfunction and neurodegeneration in Alzheimer's disease model. Journal of Cell Science, 2017, 130, 3023-3039.	2.0	23
36	Abstract 5795: Loss of CDCP1 in patient prostate cancer metastasis leads to uncoupling of beta-1 integrin from its cytoplasmic signaling through FAK. , 2017, , .		0

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37	An epitopeâ€imprinted piezoelectric diagnostic tool for Neisseria meningitidis detection. Journal of Molecular Recognition, 2016, 29, 572-579.	2.1	19
38	Sequential one-pot synthesis of bis(indolyl)glyoxylamides: Evaluation of antibacterial and anticancer activities. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3167-3171.	2.2	8
39	Evidences for growth-promoting and fungicidal effects of low doses of tricyclazole in barley. Plant Physiology and Biochemistry, 2016, 103, 176-182.	5.8	17
40	Inhibition of imiquimod-induced psoriasis-like dermatitis in mice by herbal extracts from some Indian medicinal plants. Protoplasma, 2016, 253, 503-515.	2.1	21
41	Synthesis and anticancer activity study of indolyl hydrazideâ€“hydrazones. Medicinal Chemistry Research, 2016, 25, 941-950.	2.4	16
42	Cdk5-FOXO3a axis: initially neuroprotective, eventually neurodegenerative in Alzheimer's disease models. Journal of Cell Science, 2016, 129, 1815-1830.	2.0	47
43	Evolving Human Dimensions and the Need for Continuous Health Assessment of Indian Rivers. Current Science, 2016, 111, 263.	0.8	15
44	Evidences for suppression of cadmium induced oxidative stress in presence of sulphosalicylic acid in rice seedlings. Plant Growth Regulation, 2015, 76, 99-110.	3.4	27
45	Bioactive compounds of tomato fruits from transgenic plants tolerant to drought. LWT - Food Science and Technology, 2015, 61, 609-614.	5.2	10
46	2-(3â€²-Indolyl)-N-arylthiazole-4-carboxamides: Synthesis and evaluation of antibacterial and anticancer activities. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 4225-4231.	2.2	20
47	Effect of Tricyclazole on morphology, virulence and enzymatic alterations in pathogenic fungi Bipolaris sorokiniana for management of spot blotch disease in barley. World Journal of Microbiology and Biotechnology, 2015, 31, 23-35.	3.6	16
48	Evidences for structural basis of altered ascorbate peroxidase activity in cadmium-stressed rice plants exposed to jasmonate. BioMetals, 2014, 27, 247-263.	4.1	10
49	Cdk5 activity in the brain â€“ multiple paths of regulation. Journal of Cell Science, 2014, 127, 2391-2400.	2.0	164
50	Exogenous application of methyl jasmonate lowers the effect of cadmium-induced oxidative injury in rice seedlings. Phytochemistry, 2014, 108, 57-66.	2.9	107
51	Evidences for reduced metal-uptake and membrane injury upon application of nitric oxide donor in cadmium stressed rice seedlings. Plant Physiology and Biochemistry, 2014, 83, 180-184.	5.8	57
52	Expression of ZAT12 transcripts in transgenic tomato under various abiotic stresses and modeling of ZAT12 protein in silico. BioMetals, 2014, 27, 1231-1247.	4.1	11
53	Role of Melanin in Release of Extracellular Enzymes and Selection of Aggressive Isolates of Bipolaris sorokiniana in Barley. Current Microbiology, 2014, 69, 202-211.	2.2	31
54	Examining structural analogs of elvitegravir as potential inhibitors of HIV-1 integrase. Archives of Virology, 2014, 159, 2069-2080.	2.1	3

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55	Late-Onset Alzheimer's Disease, Heating up and Foxed by Several Proteins: Pathomolecular Effects of the Aging Process. Journal of Alzheimer's Disease, 2014, 40, 1-17.	2.6	30
56	Synthesis and Biological Evaluation of 2â€Arylaminoâ€5â€•(3â€²â€Indolyl)â€1,3,4â€Oxadiazoles as Potent Cytotoxic Agents. ChemMedChem, 2013, 8, 1468-1474.	3.2	17
57	Effect of heat-shock induced oxidative stress is suppressed in BcZAT12 expressing drought tolerant tomato. Phytochemistry, 2013, 95, 109-117.	2.9	29
58	Effect of cadmium uptake and heat stress on root ultrastructure, membrane damage and antioxidative response in rice seedlings. Journal of Plant Biochemistry and Biotechnology, 2013, 22, 103-112.	1.7	22
59	Engineering drought tolerant tomato plants over-expressing BcZAT12 gene encoding a C2H2 zinc finger transcription factor. Phytochemistry, 2013, 85, 44-50.	2.9	57
60	Deregulated Cdk5 Triggers Aberrant Activation of Cell Cycle Kinases and Phosphatases Inducing Neuronal Death. Journal of Cell Science, 2012, 125, 5124-37.	2.0	72
61	LIMK2 is a crucial regulator and effector of Aurora-A-kinase-mediated malignancy. Journal of Cell Science, 2012, 125, 1204-1216.	2.0	47
62	A series of 2-arylamino-5-(indolyl)-1,3,4-thiadiazoles as potent cytotoxic agents. European Journal of Medicinal Chemistry, 2012, 55, 432-438.	5.5	47
63	Effect of organic solvents on peroxidases from rice and horseradish: Prospects for enzyme based applications. Talanta, 2012, 97, 204-210.	5.5	28
64	A Facile Synthesis of Novel Bisâ€(indolyl)â€1,3,4â€oxadiazoles as Potent Cytotoxic Agents. ChemMedChem, 2012, 7, 1915-1920.	3.2	14
65	Effect of water withdrawal on formation of free radical, proline accumulation and activities of antioxidant enzymes in ZAT12-transformed transgenic tomato plants. Plant Physiology and Biochemistry, 2012, 61, 108-114.	5.8	81
66	In silico study of interaction between rice proteins enhanced disease susceptibility 1 and phytoalexin deficient 4, the regulators of salicylic acid signalling pathway. Journal of Biosciences, 2012, 37, 563-571.	1.1	20
67	Novel bis(indolyl)hydrazideâ€“hydrazones as potent cytotoxic agents. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 212-215.	2.2	94
68	Heat exposure alters the expression of SOD, POD, APX and CAT isozymes and mitigates low cadmium toxicity in seedlings of sensitive and tolerant rice cultivars. Plant Physiology and Biochemistry, 2012, 57, 106-113.	5.8	118
69	Glutathioneâ€Sâ€transferase P1 is a critical regulator of Cdk5 kinase activity. Journal of Neurochemistry, 2011, 118, 902-914.	3.9	66
70	Synthesis of Novel Indolyl-1,2,4-triazoles as Potent and Selective Anticancer Agents. Chemical Biology and Drug Design, 2011, 77, 182-188.	3.2	44
71	Synthesis and in-vitro anticancer activity of 3,5-bis(indolyl)-1,2,4-thiadiazoles. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 5897-5900.	2.2	69
72	Expression of key antioxidant enzymes under combined effect of heat and cadmium toxicity in growing rice seedlings. Plant Growth Regulation, 2011, 63, 23-35.	3.4	87

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73	One-pot synthesis and anticancer studies of 2-arylamino-5-aryl-1,3,4-thiadiazoles. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 2320-2323.	2.2	54
74	Synthesis of novel 1,2,4-oxadiazoles and analogues as potential anticancer agents. European Journal of Medicinal Chemistry, 2011, 46, 3085-3092.	5.5	65
75	Nuclear envelope dispersion triggered by deregulated Cdk5 precedes neuronal death. Molecular Biology of the Cell, 2011, 22, 1452-1462.	2.1	74
76	PHLDA1 is a crucial negative regulator and effector of Aurora A kinase in breast cancer. Journal of Cell Science, 2011, 124, 2711-2722.	2.0	78
77	Direct Effects of HIV-1 Tat on Excitability and Survival of Primary Dorsal Root Ganglion Neurons: Possible Contribution to HIV-1-Associated Pain. PLoS ONE, 2011, 6, e24412.	2.5	32
78	An expeditious synthesis and anticancer activity of novel 4-(3â€²-indolyl)oxazoles. European Journal of Medicinal Chemistry, 2010, 45, 1244-1249.	5.5	65
79	Synthesis and anticancer activity of 5-(3-indolyl)-1,3,4-thiadiazoles. European Journal of Medicinal Chemistry, 2010, 45, 4664-4668.	5.5	170
80	Cdk5 is a major regulator of p38 cascade: relevance to neurotoxicity in Alzheimerâ€™s disease. Journal of Neurochemistry, 2010, 113, 1221-1229.	3.9	64
81	Direct and Indirect Roles of Cyclin-dependent Kinase 5 as an Upstream Regulator in the c-Jun NH₂-Terminal Kinase Cascade: Relevance to Neurotoxic Insults in Alzheimer's Disease. Molecular Biology of the Cell, 2009, 20, 4611-4619.	2.1	50
82	The Conserved NDR Kinase Orb6 Controls Polarized Cell Growth by Spatial Regulation of the Small GTPase Cdc42. Current Biology, 2009, 19, 1314-1319.	3.9	77
83	Synthesis and anticancer activities of novel 3,5-disubstituted-1,2,4-oxadiazoles. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2739-2741.	2.2	66
84	An efficient synthesis and biological study of novel indolyl-1,3,4-oxadiazoles as potent anticancer agents. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 4492-4494.	2.2	142
85	Effect of calcium on immobilization of rice (Oryza sativa L.) peroxidase for bioassays in sodium alginate and Agarose gel. Biotechnology and Bioprocess Engineering, 2008, 13, 632-638.	2.6	7
86	Deregulated Cdk5 promotes oxidative stress and mitochondrial dysfunction. Journal of Neurochemistry, 2008, 107, 265-278.	3.9	113
87	Corrigendum to â€œIdentification of otubain 1 as a novel substrate for theYersiniaprotein kinase using chemical genetics and mass spectrometryâ€•[FEBS Lett. 580 (2006) 179-183]. FEBS Letters, 2008, 582, 3159-3159.	2.8	0
88	Novel Genetic Tools Reveal Cdk5's Major Role in Golgi Fragmentation in Alzheimer's Disease. Molecular Biology of the Cell, 2008, 19, 3052-3069.	2.1	85
89	Identification of ChChd3 as a Novel Substrate of the cAMP-dependent Protein Kinase (PKA) Using an Analog-sensitive Catalytic Subunit. Journal of Biological Chemistry, 2007, 282, 14952-14959.	3.4	36
90	Generation of an Analog-sensitive Syk Tyrosine Kinase for the Study of Signaling Dynamics from the B Cell Antigen Receptor. Journal of Biological Chemistry, 2007, 282, 33760-33768.	3.4	23

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91	Dissecting yeast Hog1 MAP kinase pathway using a chemical genetic approach. FEBS Letters, 2007, 581, 1209-1216.	2.8	31
92	Engineering Unnatural Nucleotide Specificity to Probe G Protein Signaling. Chemistry and Biology, 2007, 14, 1007-1018.	6.0	7
93	Identification of otubain 1 as a novel substrate for the Yersinia protein kinase using chemical genetics and mass spectrometry. FEBS Letters, 2006, 580, 179-183.	2.8	39
94	Orthogonal Chemical Genetic Approaches for Unraveling Signaling Pathways. IUBMB Life, 2005, 57, 397-405.	3.4	8
95	Divergent Roles of c-Src in Controlling Platelet-derived Growth Factor-dependent Signaling in Fibroblasts. Molecular Biology of the Cell, 2005, 16, 5418-5432.	2.1	39
96	Purification and identification of a Ca 2+ -pectate binding peroxidase from Arabidopsis leaves. Phytochemistry, 2004, 65, 307-312.	2.9	41
97	Targets of the cyclin-dependent kinase Cdk1. Nature, 2003, 425, 859-864.	27.8	835
98	A Chemical Genetic Approach for the Identifi cation of Direct Substrates of Protein Kinases. , 2003, 233, 253-272.		37
99	Identification of Novel ERK2 Substrates through Use of an Engineered Kinase and ATP Analogs. Journal of Biological Chemistry, 2003, 278, 14926-14935.	3.4	106
100	A Chemical-Genetic Strategy Implicates Myosin-1c in Adaptation by Hair Cells. Cell, 2002, 108, 371-381.	28.9	318
101	A Chemical Genetic Screen for Direct v-Src Substrates Reveals Ordered Assembly of a Retrograde Signaling Pathway. Chemistry and Biology, 2002, 9, 35-47.	6.0	130
102	Mutant Tyrosine Kinases with Unnatural Nucleotide Specificity Retain the Structure and Phospho-Acceptor Specificity of the Wild-Type Enzyme. Chemistry and Biology, 2002, 9, 25-33.	6.0	61
103	Effect of cadmium on lipid peroxidation, superoxide anion generation and activities of antioxidant enzymes in growing rice seedlings. Plant Science, 2001, 161, 1135-1144.	3.6	733
104	ERK phosphorylation drives cytoplasmic accumulation of hnRNP-K and inhibition of mRNA translation. Nature Cell Biology, 2001, 3, 325-330.	10.3	267
105	Identification of New JNK Substrate Using ATP Pocket Mutant JNK and a Corresponding ATP Analogue. Journal of Biological Chemistry, 2001, 276, 18090-18095.	3.4	117
106	Unnatural Ligands for Engineered Proteins: New Tools for Chemical Genetics. Annual Review of Biophysics and Biomolecular Structure, 2000, 29, 577-606.	18.3	156
107	Salinity induced behavioural changes in malate dehydrogenase and glutamate dehydrogenase activities in rice seedlings of differing salt tolerance. Plant Science, 2000, 156, 23-34.	3.6	98
108	Srcâ˜Abl Tyrosine Kinase Chimeras:â€‰ Replacement of the Adenine Binding Pocket of c-Abl with v-Src To Swap Nucleotide and Inhibitor Specificities. Biochemistry, 2000, 39, 14400-14408.	2.5	26

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109	Engineering of the Myosin-Ìî² Nucleotide-binding Pocket to Create Selective Sensitivity to N 6-modified ADP Analogs. Journal of Biological Chemistry, 1999, 274, 31373-31381.	3.4	68
110	Generation of Monospecific Nanomolar Tyrosine Kinase Inhibitors via a Chemical Genetic Approach. Journal of the American Chemical Society, 1999, 121, 627-631.	13.7	152
111	Design of allele-specific inhibitors to probe protein kinase signaling. Current Biology, 1998, 8, 257-266.	3.9	211
112	Cadmium elevates level of protein, amino acids and alters activity of proteolytic enzymes in germinating rice seeds. Acta Physiologiae Plantarum, 1998, 20, 189-196.	2.1	44
113	Engineering Src family protein kinases with unnatural nucleotide specificity. Chemistry and Biology, 1998, 5, 91-101.	6.0	164
114	Nitrate reductase from rice seedlings: Partial purification, characterization and the effects of in situ and in vitro NaCl salinity. Journal of Plant Physiology, 1997, 151, 316-322.	3.5	26