Suresh Kumar Rayala

List of Publications by Year
in descending order

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85 papers	3,464 citations	109321 35 h-index	144013 57 g-index
88 all docs	88 docs citations	88 times ranked	4773 citing authors

#	Article	IF	Citations
1	p21 activated kinase-1 and tamoxifen â€“ A deadly nexus impacting breast cancer outcomes. Biochimica Et Biophysica Acta: Reviews on Cancer, 2022, 1877, 188668.	7.4	8
2	Clinical Evaluation of Proline, Glutamic acid, and Leucine-Rich Protein 1 Expression in Astrocytomas and Correlations with the Proliferation Marker Ki-67. Journal of Molecular Neuroscience, 2021, 71, 724-733.	2.3	1
3	Clinical Evaluation of P21 Activated Kinase 1 (PAK1) Activation in Gliomas and Its Effect on Cell Proliferation. Cancer Investigation, 2021, 39, 98-113.	1.3	10
4	Aberrant environment and PS-binding to calnuc C-terminal tail drives exosomal packaging and its metastatic ability. Biochemical Journal, 2021, 478, 2265-2283.	3.7	4
5	KIBRA connects Hippo signaling and cancer. Experimental Cell Research, 2021, 403, 112613.	2.6	4
6	Small peptide inhibitor from the sequence of RUNX3 disrupts PAK1â€“RUNX3 interaction and abrogates its phosphorylation-dependent oncogenic function. Oncogene, 2021, 40, 5327-5341.	5.9	3
7	Molecular dysregulations underlying the pathogenesis of endometriosis (MS no: CS-D-21-00592). Cellular Signalling, 2021, 88, 110139.	3.6	5
8	Sustainable production of camptothecin from an Alternaria sp. isolated from Nothapodytes nimmoniana. Scientific Reports, 2021, 11, 1478.	3.3	27
9	WaterMap and Molecular Dynamic Simulation-Guided Discovery of Potential PAK1 Inhibitors Using Repurposing Approaches. ACS Omega, 2021, 6, 26829-26845.	3.5	9
10	Inflammation induced PELP1 expression promotes tumorigenesis by activating GM-CSF paracrine secretion in the tumor microenvironment. Journal of Biological Chemistry, 2021, , 101406.	3.4	1
11	Current trends and opportunities in targeting p21 activated kinase-1(PAK1) for therapeutic management of breast cancers. Gene, 2020, 760, 144991.	2.2	13
12	Fabrication of bioactive corrosion-resistant polyaniline/TiO2 nanotubes nanocomposite and their application in orthopedics. Journal of Materials Science, 2020, 55, 15602-15620.	3.7	11
13	Facile synthesis and nanoscale features of a nanostructured nordihydroguaiaretic acid analog for therapeutic applications. Journal of Nanobiotechnology, 2020, 18, 74.	9.1	4
14	Nordihydroguaiaretic Acid in Therapeutics: Beneficial to Toxicity Profiles and the Search for its Analogs. Current Cancer Drug Targets, 2020, 20, 86-103.	1.6	5
15	Mechanics of PAK1-A new molecular player in the arena of skin cancer. Journal of Cellular Physiology, 2019, 234, 969-975.	4.1	2
16	Salt-mediated transcriptional and proteasomal dysregulations mimic the molecular dysregulations of stomach cancer. Toxicology in Vitro, 2019, 61, 104588.	2.4	1
17	Increased Expression of MicroRNA 551a by c-Fos Reduces Focal Adhesion Kinase Levels and Blocks Tumorigenesis. Molecular and Cellular Biology, 2019, 39, .	2.3	13
18	Forging New Scaffolds from Old: Combining Scaffold Hopping and Hierarchical Virtual Screening for Identifying Novel Bcl-2 Inhibitors. Current Topics in Medicinal Chemistry, 2019, 19, 1162-1172.	2.1	5

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19	Cloning and functional characterization of human Pak1 promoter by steroid hormones. Gene, 2018, 646, 120-128.	2.2	6
20	Targeting IGF1R pathway in cancer with microRNAs: How close are we?. RNA Biology, 2018, 15, 320-326.	3.1	13
21	DHQZâ€17, a potent inhibitor of the transcription factor HNF4A, suppresses tumorigenicity of head and neck squamous cell carcinoma in vivo. Journal of Cellular Physiology, 2018, 233, 2613-2628.	4.1	8
22	Production of bioactive cyclotides in somatic embryos of Viola odorata. Phytochemistry, 2018, 156, 135-141.	2.9	14
23	KIBRA; a novel biomarker predicting recurrence free survival of breast cancer patients receiving adjuvant therapy. BMC Cancer, 2018, 18, 589.	2.6	8
24	UnPAKing RUNX3 functionsâ€“Both sides of the coin. Small GTPases, 2017, 10, 1-7.	1.6	2
25	Efficacy of Dipeptide-Coated Magnetic Nanoparticles in Lung Cancer Models Under Pulsed Electromagnetic Field. Cancer Investigation, 2017, 35, 431-442.	1.3	11
26	Regulation of NF-Î¹B circuitry by a component of the nucleosome remodeling and deacetylase complex controls inflammatory response homeostasis.. Journal of Biological Chemistry, 2017, 292, 4764.	3.4	1
27	Novel Glycopyrrolidine Compounds Inhibit Human Cancer Cell Proliferation and Induce Apoptotic Mode of Cell Death. Cancer Investigation, 2017, 35, 215-224.	1.3	0
28	Snail-Modulated MicroRNA 493 Forms a Negative Feedback Loop with the Insulin-Like Growth Factor 1 Receptor Pathway and Blocks Tumorigenesis. Molecular and Cellular Biology, 2017, 37, .	2.3	16
29	Transcriptional regulation of ataxiaâ€“telangiectasia and Rad3-related protein by activated p21-activated kinase-1 protects keratinocytes in UV-B-induced premalignant skin lesions. Oncogene, 2017, 36, 6154-6163.	5.9	5
30	KIBRA attains oncogenic activity by repressing RASSF1A. British Journal of Cancer, 2017, 117, 553-562.	6.4	6
31	Effective Strategies and Applications of Dendrimers in the Treatment of Ovarian Cancer. Current Pharmaceutical Design, 2017, 23, 3099-3104.	1.9	6
32	Phosphorylation-Dependent Regulation of the DNA Damage Response of Adaptor Protein KIBRA in Cancer Cells. Molecular and Cellular Biology, 2016, 36, 1354-1365.	2.3	12
33	P21-activated kinase 1 (Pak1) signaling influences therapeutic outcome in pancreatic cancer. Annals of Oncology, 2016, 27, 1546-1556.	1.2	36
34	Molecular Mechanism of Regulation of MTA1 Expression by Granulocyte Colony-stimulating Factor. Journal of Biological Chemistry, 2016, 291, 12310-12321.	3.4	11
35	Targeting p21 activated kinase 1 (Pak1) to PAKup Pancreatic Cancer. Expert Opinion on Therapeutic Targets, 2016, 20, 1283-1285.	3.4	6
36	Regulation of NF-Î¹B circuitry by a component of the nucleosome remodeling and deacetylase complex controls inflammatory response homeostasis.. Journal of Biological Chemistry, 2016, 291, 1198.	3.4	0

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37	Threonine 209 phosphorylation on RUNX3 by Pak1 is a molecular switch for its dualistic functions. Oncogene, 2016, 35, 4857-4865.	5.9	8
38	Î²-lactam substituted polycyclic fused pyrrolidine/pyrrolizidine derivatives eradicate C. albicans in an ex vivo human dentinal tubule model by inhibiting sterol 14-Î± demethylase and cAMP pathway. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 636-647.	2.4	14
39	Molecular mechanism of anti-cancer activity of phycocyanin in triple-negative breast cancer cells. BMC Cancer, 2015, 15, 768.	2.6	81
40	Tumor targeting using polyamidoamine dendrimerâ€“cisplatin nanoparticles functionalized with diglycolamic acid and herceptin. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 255-263.	4.3	42
41	Transcriptional regulation of fibronectin by p21-activated kinase-1 modulates pancreatic tumorigenesis. Oncogene, 2015, 34, 455-464.	5.9	48
42	p21-Activated Kinase 1 Regulates Microtubule Dynamics by Phosphorylating Tubulin Cofactor B. Molecular and Cellular Biology, 2013, 33, 1267-1267.	2.3	1
43	MTA1 Promotes STAT3 Transcription and Pulmonary Metastasis in Breast Cancer. Cancer Research, 2013, 73, 3761-3770.	0.9	61
44	Solution structure and antiestrogenic activity of the unique C-terminal, NR-box motif-containing region of MTA1s.. Journal of Biological Chemistry, 2013, 288, 27518.	3.4	0
45	Nanomedicine: towards development of patient-friendly drug-delivery systems for oncological applications. International Journal of Nanomedicine, 2012, 7, 1043.	6.7	123
46	Multiple coregulatory control of tyrosine hydroxylase gene transcription. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4200-4205.	7.1	49
47	Acetylationâ€dependent oncogenic activity of metastasisâ€associated protein 1 coâ€regulator. EMBO Reports, 2010, 11, 691-697.	4.5	37
48	Metastasis-Associated Protein 1 Short Form Stimulates Wnt1 Pathway in Mammary Epithelial and Cancer Cells. Cancer Research, 2010, 70, 6598-6608.	0.9	25
49	Regulation of NF-Î°B Circuitry by a Component of the Nucleosome Remodeling and Deacetylase Complex Controls Inflammatory Response Homeostasis. Journal of Biological Chemistry, 2010, 285, 23590-23597.	3.4	52
50	Identification of a Novel Estrogen Receptor-Î± Variant and Its Upstream Splicing Regulator. Molecular Endocrinology, 2010, 24, 914-922.	3.7	12
51	Metastasis-Associated Protein 1 and Its Short Form Variant Stimulates Wnt1 Transcription through Promoting Its Derepression from Six3 Corepressor. Cancer Research, 2010, 70, 6649-6658.	0.9	42
52	Extranuclear Coactivator Signaling Confers Insensitivity to Tamoxifen. Clinical Cancer Research, 2009, 15, 4123-4130.	7.0	44
53	E3 ubiquitin ligase COP1 regulates the stability and functions of MTA1. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17493-17498.	7.1	80
54	MTA1 Coregulator Regulates p53 Stability and Function. Journal of Biological Chemistry, 2009, 284, 34545-34552.	3.4	46

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55	MicroRNA-661, a c/EBPÎ± Target, Inhibits Metastatic Tumor Antigen 1 and Regulates Its Functions. Cancer Research, 2009, 69, 5639-5642.	0.9	81
56	PAK thread from amoeba to mammals. Journal of Cellular Biochemistry, 2009, 107, 579-585.	2.6	32
57	Epithelial to mesenchymal transition in head and neck squamous carcinoma. Cancer, 2008, 112, 2088-2100.	4.1	184
58	Serine 88 Phosphorylation of the 8-kDa Dynein Light Chain 1 Is a Molecular Switch for Its Dimerization Status and Functions. Journal of Biological Chemistry, 2008, 283, 4004-4013.	3.4	49
59	MicroRNA-7, a Homeobox D10 Target, Inhibits p21-Activated Kinase 1 and Regulates Its Functions. Cancer Research, 2008, 68, 8195-8200.	0.9	255
60	Delivery of cytoplasmic proteins to autophagosomes. Autophagy, 2008, 4, 104-106.	9.1	20
61	Signaling-dependent and coordinated regulation of transcription, splicing, and translation resides in a single coregulator, PCBP1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5866-5871.	7.1	96
62	Repression of Six3 by a corepressor regulates rhodopsin expression. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 13128-13133.	7.1	64
63	Phosphorylation-dependent Regulation of Stability and Transforming Potential of ETS Transcriptional Factor ESE-1 by p21-activated Kinase 1. Journal of Biological Chemistry, 2007, 282, 19820-19830.	3.4	34
64	Identifying the Estrogen Receptor Coactivator PELP1 in Autophagosomes. Cancer Research, 2007, 67, 8164-8171.	0.9	40
65	Insulin-like Growth Factor Receptor as a Therapeutic Target in Head and Neck Cancer. Clinical Cancer Research, 2007, 13, 4291-4299.	7.0	128
66	Dynamic interplay between nitration and phosphorylation of tubulin cofactor B in the control of microtubule dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 19470-19475.	7.1	28
67	Sliding p21-activated kinase 1 to nucleus impacts tamoxifen sensitivity. Biomedicine and Pharmacotherapy, 2007, 61, 408-411.	5.6	18
68	Hepatocyte Growth Factor-regulated Tyrosine Kinase Substrate (HRS) Interacts with PELP1 and Activates MAPK. Journal of Biological Chemistry, 2006, 281, 4395-4403.	3.4	36
69	Nuclear p21-Activated Kinase 1 in Breast Cancer Packs Off Tamoxifen Sensitivity: Figure 1.. Cancer Research, 2006, 66, 5985-5988.	0.9	54
70	Association Between Pak1 Expression and Subcellular Localization and Tamoxifen Resistance in Breast Cancer Patients. Journal of the National Cancer Institute, 2006, 98, 671-680.	6.3	177
71	Biological Role of Estrogen Receptor Î² in Salivary Gland Adenocarcinoma Cells. Clinical Cancer Research, 2006, 12, 5994-5999.	7.0	22
72	Ciz1, a Novel DNA-Binding Coactivator of the Estrogen Receptor Î±, Confers Hypersensitivity to Estrogen Action. Cancer Research, 2006, 66, 11021-11029.	0.9	64

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73	P21-Activated Kinase 1 Regulation of Estrogen Receptor-Î± Activation Involves Serine 305 Activation Linked with Serine 118 Phosphorylation. Cancer Research, 2006, 66, 1694-1701.	0.9	121
74	Altered localization of a coactivator sensitizes breast cancer cells to tumor necrosis factorâ€“induced apoptosis. Molecular Cancer Therapeutics, 2006, 5, 230-237.	4.1	14
75	An inherent role of microtubule network in the action of nuclear receptor. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 15981-15986.	7.1	84
76	Essential Role of KIBRA in Co-activator Function of Dynein Light Chain 1 in Mammalian Cells. Journal of Biological Chemistry, 2006, 281, 19092-19099.	3.4	59
77	MTA1, a transcriptional activator of breast cancer amplified sequence 3. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6670-6675.	7.1	115
78	Novel Mechanisms of Resistance to Endocrine Therapy: Genomic and Nongenomic Considerations. Clinical Cancer Research, 2006, 12, 1001s-1007s.	7.0	89
79	Solution Structure and Antiestrogenic Activity of the Unique C-terminal, NR-box Motif-containing Region of MTA1s. Journal of Biological Chemistry, 2006, 281, 25612-25621.	3.4	17
80	Functional regulation of oestrogen receptor pathway by the dynein light chain 1. EMBO Reports, 2005, 6, 538-544.	4.5	66
81	Pak1 Phosphorylation of Snail, a Master Regulator of Epithelial-to-Mesenchyme Transition, Modulates Snail's Subcellular Localization and Functions. Cancer Research, 2005, 65, 3179-3184.	0.9	246
82	The Clinical Relevance of Steroid Hormone Receptor Corepressors: Table 1.. Clinical Cancer Research, 2005, 11, 2822-2831.	7.0	36
83	p21-Activated Kinase 1 Regulates Microtubule Dynamics by Phosphorylating Tubulin Cofactor B. Molecular and Cellular Biology, 2005, 25, 3726-3736.	2.3	101
84	p21-activated kinase signaling in breast cancer. Breast Cancer Research, 2004, 7, 5-12.	5.0	17
85	Estrogen receptor activation at serine 305 is sufficient to upregulate cyclin D1 in breast cancer cells. FEBS Letters, 2004, 567, 243-247.	2.8	64