

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	MicroRNA-7, a Homeobox D10 Target, Inhibits p21-Activated Kinase 1 and Regulates Its Functions. <i>Cancer Research</i> , 2008, 68, 8195-8200.	0.9	255
2	Pak1 Phosphorylation of Snail, a Master Regulator of Epithelial-to-Mesenchyme Transition, Modulates Snail's Subcellular Localization and Functions. <i>Cancer Research</i> , 2005, 65, 3179-3184.	0.9	246
3	Epithelial to mesenchymal transition in head and neck squamous carcinoma. <i>Cancer</i> , 2008, 112, 2088-2100.	4.1	184
4	Association Between Pak1 Expression and Subcellular Localization and Tamoxifen Resistance in Breast Cancer Patients. <i>Journal of the National Cancer Institute</i> , 2006, 98, 671-680.	6.3	177
5	Insulin-like Growth Factor Receptor as a Therapeutic Target in Head and Neck Cancer. <i>Clinical Cancer Research</i> , 2007, 13, 4291-4299.	7.0	128
6	Nanomedicine: towards development of patient-friendly drug-delivery systems for oncological applications. <i>International Journal of Nanomedicine</i> , 2012, 7, 1043.	6.7	123
7	P21-Activated Kinase 1 Regulation of Estrogen Receptor- $\hat{\pm}$ Activation Involves Serine 305 Activation Linked with Serine 118 Phosphorylation. <i>Cancer Research</i> , 2006, 66, 1694-1701.	0.9	121
8	MTA1, a transcriptional activator of breast cancer amplified sequence 3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6670-6675.	7.1	115
9	p21-Activated Kinase 1 Regulates Microtubule Dynamics by Phosphorylating Tubulin Cofactor B. <i>Molecular and Cellular Biology</i> , 2005, 25, 3726-3736.	2.3	101
10	Signaling-dependent and coordinated regulation of transcription, splicing, and translation resides in a single coregulator, PCBP1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5866-5871.	7.1	96
11	Novel Mechanisms of Resistance to Endocrine Therapy: Genomic and Nongenomic Considerations. <i>Clinical Cancer Research</i> , 2006, 12, 1001s-1007s.	7.0	89
12	An inherent role of microtubule network in the action of nuclear receptor. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 15981-15986.	7.1	84
13	MicroRNA-661, a c/EBP $\hat{\pm}$ Target, Inhibits Metastatic Tumor Antigen 1 and Regulates Its Functions. <i>Cancer Research</i> , 2009, 69, 5639-5642.	0.9	81
14	Molecular mechanism of anti-cancer activity of phycocyanin in triple-negative breast cancer cells. <i>BMC Cancer</i> , 2015, 15, 768.	2.6	81
15	E3 ubiquitin ligase COP1 regulates the stability and functions of MTA1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17493-17498.	7.1	80
16	Functional regulation of oestrogen receptor pathway by the dynein light chain 1. <i>EMBO Reports</i> , 2005, 6, 538-544.	4.5	66
17	Estrogen receptor activation at serine 305 is sufficient to upregulate cyclin D1 in breast cancer cells. <i>FEBS Letters</i> , 2004, 567, 243-247.	2.8	64
18	Ciz1, a Novel DNA-Binding Coactivator of the Estrogen Receptor $\hat{\pm}$, Confers Hypersensitivity to Estrogen Action. <i>Cancer Research</i> , 2006, 66, 11021-11029.	0.9	64

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19	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
20	MTA1 Promotes STAT3 Transcription and Pulmonary Metastasis in Breast Cancer. Cancer Research, 2013, 73, 3761-3770.	0.9	61
21	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
22	Nuclear p21-Activated Kinase 1 in Breast Cancer Packs Off Tamoxifen Sensitivity: Figure 1.. Cancer Research, 2006, 66, 5985-5988.	0.9	54
23	Regulation of NF- κ 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
24	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
25	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
26	Transcriptional regulation of fibronectin by p21-activated kinase-1 modulates pancreatic tumorigenesis. Oncogene, 2015, 34, 455-464.	5.9	48
27	MTA1 Coregulator Regulates p53 Stability and Function. Journal of Biological Chemistry, 2009, 284, 34545-34552.	3.4	46
28	Extranuclear Coactivator Signaling Confers Insensitivity to Tamoxifen. Clinical Cancer Research, 2009, 15, 4123-4130.	7.0	44
29	Metastasis-Associated Protein 1 and Its Short Form Variant Stimulates <i>Wnt1</i> Transcription through Promoting Its Derepression from <i>Six3</i> Corepressor. Cancer Research, 2010, 70, 6649-6658.	0.9	42
30	Tumor targeting using polyamidoamine dendrimer-cisplatin nanoparticles functionalized with diglycolamic acid and herceptin. European Journal of Pharmaceutics and Biopharmaceutics, 2015, 96, 255-263.	4.3	42
31	Identifying the Estrogen Receptor Coactivator PELP1 in Autophagosomes. Cancer Research, 2007, 67, 8164-8171.	0.9	40
32	Acetylation-dependent oncogenic activity of metastasis-associated protein 1 co-regulator. EMBO Reports, 2010, 11, 691-697.	4.5	37
33	The Clinical Relevance of Steroid Hormone Receptor Corepressors: Table 1.. Clinical Cancer Research, 2005, 11, 2822-2831.	7.0	36
34	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
35	P21-activated kinase 1 (Pak1) signaling influences therapeutic outcome in pancreatic cancer. Annals of Oncology, 2016, 27, 1546-1556.	1.2	36
36	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

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37	PAK thread from amoeba to mammals. <i>Journal of Cellular Biochemistry</i> , 2009, 107, 579-585.	2.6	32
38	Dynamic interplay between nitration and phosphorylation of tubulin cofactor B in the control of microtubule dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 19470-19475.	7.1	28
39	Sustainable production of camptothecin from an <i>Alternaria</i> sp. isolated from <i>Nothapodytes nimmoniana</i> . <i>Scientific Reports</i> , 2021, 11, 1478.	3.3	27
40	Metastasis-Associated Protein 1 Short Form Stimulates Wnt1 Pathway in Mammary Epithelial and Cancer Cells. <i>Cancer Research</i> , 2010, 70, 6598-6608.	0.9	25
41	Biological Role of Estrogen Receptor β in Salivary Gland Adenocarcinoma Cells. <i>Clinical Cancer Research</i> , 2006, 12, 5994-5999.	7.0	22
42	Delivery of cytoplasmic proteins to autophagosomes. <i>Autophagy</i> , 2008, 4, 104-106.	9.1	20
43	Sliding p21-activated kinase 1 to nucleus impacts tamoxifen sensitivity. <i>Biomedicine and Pharmacotherapy</i> , 2007, 61, 408-411.	5.6	18
44	p21-activated kinase signaling in breast cancer. <i>Breast Cancer Research</i> , 2004, 7, 5-12.	5.0	17
45	Solution Structure and Antiestrogenic Activity of the Unique C-terminal, NR-box Motif-containing Region of MTA1s. <i>Journal of Biological Chemistry</i> , 2006, 281, 25612-25621.	3.4	17
46	Snail-Modulated MicroRNA 493 Forms a Negative Feedback Loop with the Insulin-Like Growth Factor 1 Receptor Pathway and Blocks Tumorigenesis. <i>Molecular and Cellular Biology</i> , 2017, 37, .	2.3	16
47	Altered localization of a coactivator sensitizes breast cancer cells to tumor necrosis factor α -induced apoptosis. <i>Molecular Cancer Therapeutics</i> , 2006, 5, 230-237.	4.1	14
48	β -lactam substituted polycyclic fused pyrrolidine/pyrrolizidine derivatives eradicate <i>C. albicans</i> in an ex vivo human dentinal tubule model by inhibiting sterol 14 α demethylase and cAMP pathway. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2016, 1860, 636-647.	2.4	14
49	Production of bioactive cyclotides in somatic embryos of <i>Viola odorata</i> . <i>Phytochemistry</i> , 2018, 156, 135-141.	2.9	14
50	Targeting IGF1R pathway in cancer with microRNAs: How close are we?. <i>RNA Biology</i> , 2018, 15, 320-326.	3.1	13
51	Increased Expression of MicroRNA 551a by c-Fos Reduces Focal Adhesion Kinase Levels and Blocks Tumorigenesis. <i>Molecular and Cellular Biology</i> , 2019, 39, .	2.3	13
52	Current trends and opportunities in targeting p21 activated kinase-1 (PAK1) for therapeutic management of breast cancers. <i>Gene</i> , 2020, 760, 144991.	2.2	13
53	Identification of a Novel Estrogen Receptor- β Variant and Its Upstream Splicing Regulator. <i>Molecular Endocrinology</i> , 2010, 24, 914-922.	3.7	12
54	Phosphorylation-Dependent Regulation of the DNA Damage Response of Adaptor Protein KIBRA in Cancer Cells. <i>Molecular and Cellular Biology</i> , 2016, 36, 1354-1365.	2.3	12

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55	Molecular Mechanism of Regulation of MTA1 Expression by Granulocyte Colony-stimulating Factor. <i>Journal of Biological Chemistry</i> , 2016, 291, 12310-12321.	3.4	11
56	Efficacy of Dipeptide-Coated Magnetic Nanoparticles in Lung Cancer Models Under Pulsed Electromagnetic Field. <i>Cancer Investigation</i> , 2017, 35, 431-442.	1.3	11
57	Fabrication of bioactive corrosion-resistant polyaniline/TiO ₂ nanotubes nanocomposite and their application in orthopedics. <i>Journal of Materials Science</i> , 2020, 55, 15602-15620.	3.7	11
58	Clinical Evaluation of P21 Activated Kinase 1 (PAK1) Activation in Gliomas and Its Effect on Cell Proliferation. <i>Cancer Investigation</i> , 2021, 39, 98-113.	1.3	10
59	WaterMap and Molecular Dynamic Simulation-Guided Discovery of Potential PAK1 Inhibitors Using Repurposing Approaches. <i>ACS Omega</i> , 2021, 6, 26829-26845.	3.5	9
60	Threonine 209 phosphorylation on RUNX3 by Pak1 is a molecular switch for its dualistic functions. <i>Oncogene</i> , 2016, 35, 4857-4865.	5.9	8
61	DHQZ ¹⁷ , a potent inhibitor of the transcription factor HNF4A, suppresses tumorigenicity of head and neck squamous cell carcinoma in vivo. <i>Journal of Cellular Physiology</i> , 2018, 233, 2613-2628.	4.1	8
62	KIBRA; a novel biomarker predicting recurrence free survival of breast cancer patients receiving adjuvant therapy. <i>BMC Cancer</i> , 2018, 18, 589.	2.6	8
63	p21 activated kinase-1 and tamoxifen "A deadly nexus impacting breast cancer outcomes. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2022, 1877, 188668.	7.4	8
64	Targeting p21 activated kinase 1 (Pak1) to PAKup Pancreatic Cancer. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 1283-1285.	3.4	6
65	KIBRA attains oncogenic activity by repressing RASSF1A. <i>British Journal of Cancer</i> , 2017, 117, 553-562.	6.4	6
66	Cloning and functional characterization of human Pak1 promoter by steroid hormones. <i>Gene</i> , 2018, 646, 120-128.	2.2	6
67	Effective Strategies and Applications of Dendrimers in the Treatment of Ovarian Cancer. <i>Current Pharmaceutical Design</i> , 2017, 23, 3099-3104.	1.9	6
68	Transcriptional regulation of ataxia ¹⁷ telangiectasia and Rad3-related protein by activated p21-activated kinase-1 protects keratinocytes in UV-B-induced premalignant skin lesions. <i>Oncogene</i> , 2017, 36, 6154-6163.	5.9	5
69	Molecular dysregulations underlying the pathogenesis of endometriosis (MS no: CS-D-21-00592). <i>Cellular Signalling</i> , 2021, 88, 110139.	3.6	5
70	Nordihydroguaiaretic Acid in Therapeutics: Beneficial to Toxicity Profiles and the Search for its Analogs. <i>Current Cancer Drug Targets</i> , 2020, 20, 86-103.	1.6	5
71	Forging New Scaffolds from Old: Combining Scaffold Hopping and Hierarchical Virtual Screening for Identifying Novel Bcl-2 Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2019, 19, 1162-1172.	2.1	5
72	Facile synthesis and nanoscale features of a nanostructured nordihydroguaiaretic acid analog for therapeutic applications. <i>Journal of Nanobiotechnology</i> , 2020, 18, 74.	9.1	4

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73	Aberrant environment and PS-binding to calnuc C-terminal tail drives exosomal packaging and its metastatic ability. <i>Biochemical Journal</i> , 2021, 478, 2265-2283.	3.7	4
74	KIBRA connects Hippo signaling and cancer. <i>Experimental Cell Research</i> , 2021, 403, 112613.	2.6	4
75	Small peptide inhibitor from the sequence of RUNX3 disrupts PAK1â€“RUNX3 interaction and abrogates its phosphorylation-dependent oncogenic function. <i>Oncogene</i> , 2021, 40, 5327-5341.	5.9	3
76	UnPAKing RUNX3 functionsâ€“Both sides of the coin. <i>Small GTPases</i> , 2017, 10, 1-7.	1.6	2
77	Mechanics of PAK1-A new molecular player in the arena of skin cancer. <i>Journal of Cellular Physiology</i> , 2019, 234, 969-975.	4.1	2
78	p21-Activated Kinase 1 Regulates Microtubule Dynamics by Phosphorylating Tubulin Cofactor B. <i>Molecular and Cellular Biology</i> , 2013, 33, 1267-1267.	2.3	1
79	Regulation of NF-Î²B circuitry by a component of the nucleosome remodeling and deacetylase complex controls inflammatory response homeostasis.. <i>Journal of Biological Chemistry</i> , 2017, 292, 4764.	3.4	1
80	Salt-mediated transcriptional and proteasomal dysregulations mimic the molecular dysregulations of stomach cancer. <i>Toxicology in Vitro</i> , 2019, 61, 104588.	2.4	1
81	Clinical Evaluation of Proline, Glutamic acid, and Leucine-Rich Protein 1 Expression in Astrocytomas and Correlations with the Proliferation Marker Ki-67. <i>Journal of Molecular Neuroscience</i> , 2021, 71, 724-733.	2.3	1
82	Inflammation induced PELP1 expression promotes tumorigenesis by activating GM-CSF paracrine secretion in the tumor microenvironment. <i>Journal of Biological Chemistry</i> , 2021, , 101406.	3.4	1
83	Solution structure and antiestrogenic activity of the unique C-terminal, NR-box motif-containing region of MTA1s.. <i>Journal of Biological Chemistry</i> , 2013, 288, 27518.	3.4	0
84	Regulation of NF-Î²B circuitry by a component of the nucleosome remodeling and deacetylase complex controls inflammatory response homeostasis.. <i>Journal of Biological Chemistry</i> , 2016, 291, 1198.	3.4	0
85	Novel Glycopyrrolidine Compounds Inhibit Human Cancer Cell Proliferation and Induce Apoptotic Mode of Cell Death. <i>Cancer Investigation</i> , 2017, 35, 215-224.	1.3	0