

P K Vinod

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

1,335
citations

361296

20
h-index

377752

34
g-index

45
all docs

45
docs citations

45
times ranked

2486
citing authors

#	ARTICLE	IF	CITATIONS
1	Pan-Renal Cell Carcinoma classification and survival prediction from histopathology images using deep learning. <i>Scientific Reports</i> , 2019, 9, 10509.	1.6	127
2	MolGPT: Molecular Generation Using a Transformer-Decoder Model. <i>Journal of Chemical Information and Modeling</i> , 2022, 62, 2064-2076.	2.5	105
3	Meiotic Prophase Requires Proteolysis of M Phase Regulators Mediated by the Meiosis-Specific APC/C ^{Ama1} . <i>Cell</i> , 2012, 151, 603-618.	13.5	93
4	Atypical Flexibility in Dynamic Functional Connectivity Quantifies the Severity in Autism Spectrum Disorder. <i>Frontiers in Human Neuroscience</i> , 2019, 13, 6.	1.0	78
5	Integration of Global Signaling Pathways, cAMP-PKA, MAPK and TOR in the Regulation of FLO11. <i>PLoS ONE</i> , 2008, 3, e1663.	1.1	75
6	Machine Learning Based Clinical Decision Support System for Early COVID-19 Mortality Prediction. <i>Frontiers in Public Health</i> , 2021, 9, 626697.	1.3	72
7	mTOR inhibition increases cell viability via autophagy induction during endoplasmic reticulum stress – An experimental and modeling study. <i>FEBS Open Bio</i> , 2014, 4, 704-713.	1.0	71
8	Dependency of the Spindle Assembly Checkpoint on Cdk1 Renders the Anaphase Transition Irreversible. <i>Current Biology</i> , 2014, 24, 630-637.	1.8	63
9	A cellular stress-directed bistable switch controls the crosstalk between autophagy and apoptosis. <i>Molecular BioSystems</i> , 2013, 9, 296-306.	2.9	62
10	Molecular mechanisms creating bistable switches at cell cycle transitions. <i>Open Biology</i> , 2013, 3, 120179.	1.5	62
11	Network-based metabolic characterization of renal cell carcinoma. <i>Scientific Reports</i> , 2020, 10, 5955.	1.6	61
12	Integrative Analysis of Hippocampus Gene Expression Profiles Identifies Network Alterations in Aging and Alzheimer's Disease. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 153.	1.7	58
13	PP2A/B55 and Fcp1 Regulate Greatwall and Ensa Dephosphorylation during Mitotic Exit. <i>PLoS Genetics</i> , 2014, 10, e1004004.	1.5	55
14	Host metabolic reprogramming in response to SARS-CoV-2 infection: A systems biology approach. <i>Microbial Pathogenesis</i> , 2021, 158, 105114.	1.3	44
15	Machine learning models to predict the progression from early to late stages of papillary renal cell carcinoma. <i>Computers in Biology and Medicine</i> , 2018, 100, 92-99.	3.9	31
16	Quantification of the effect of amino acids on an integrated mTOR and insulin signaling pathway. <i>Molecular BioSystems</i> , 2009, 5, 1163.	2.9	29
17	Computational modelling of mitotic exit in budding yeast: the role of separase and Cdc14 endocycles. <i>Journal of the Royal Society Interface</i> , 2011, 8, 1128-1141.	1.5	24
18	Crosstalk between cAMP-PKA and MAP kinase pathways is a key regulatory design necessary to regulate FLO11 expression. <i>Biophysical Chemistry</i> , 2007, 125, 59-71.	1.5	23

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19	Systems-level organization of non-alcoholic fatty liver disease progression network. <i>Molecular BioSystems</i> , 2017, 13, 1898-1911.	2.9	22
20	Integrative analysis of DNA methylation and gene expression in papillary renal cell carcinoma. <i>Molecular Genetics and Genomics</i> , 2020, 295, 807-824.	1.0	22
21	Model scenarios for switch-like mitotic transitions. <i>FEBS Letters</i> , 2015, 589, 667-671.	1.3	21
22	The role of APC/C inhibitor Emi2/XErp1 in oscillatory dynamics of early embryonic cell cycles. <i>Biophysical Chemistry</i> , 2013, 177-178, 1-6.	1.5	16
23	COVID-19 Risk Stratification and Mortality Prediction in Hospitalized Indian Patients: Harnessing clinical data for public health benefits. <i>PLoS ONE</i> , 2022, 17, e0264785.	1.1	16
24	Genome-scale metabolic modelling predicts biomarkers and therapeutic targets for neuropsychiatric disorders. <i>Computers in Biology and Medicine</i> , 2020, 125, 103994.	3.9	14
25	Systems-level feedback in cell-cycle control. <i>Biochemical Society Transactions</i> , 2010, 38, 1242-1246.	1.6	12
26	Multiple system-level feedback loops control life-and-death decisions in endoplasmic reticulum stress. <i>FEBS Letters</i> , 2020, 594, 1112-1123.	1.3	11
27	Clinico-Genomic Analysis Reveals Mutations Associated with COVID-19 Disease Severity: Possible Modulation by RNA Structure. <i>Pathogens</i> , 2021, 10, 1109.	1.2	9
28	Interplay of transcriptional and proteolytic regulation in driving robust cell cycle progression. <i>Molecular BioSystems</i> , 2012, 8, 863.	2.9	5
29	In-Silico Pharmacodynamics. <i>Applied Bioinformatics</i> , 2006, 5, 141-150.	1.7	4
30	Mathematical modelling of reversible transition between quiescence and proliferation. <i>PLoS ONE</i> , 2018, 13, e0198420.	1.1	4
31	Specificity of MAPK signaling towards FLO11 expression is established by crosstalk from cAMP pathway. <i>Systems and Synthetic Biology</i> , 2007, 1, 99-108.	1.0	3
32	Computational modelling of meiotic entry and commitment. <i>Scientific Reports</i> , 2018, 8, 180.	1.6	3
33	Modeling the Control of Meiotic Cell Divisions: Entry, Progression, and Exit. <i>Biophysical Journal</i> , 2020, 119, 1015-1024.	0.2	3
34	Systems-level feedback regulation of cell cycle transitions in <i>Ostreococcus tauri</i> . <i>Plant Physiology and Biochemistry</i> , 2018, 126, 39-46.	2.8	2
35	Single-cell transcriptomic analysis of pancreatic islets in health and type 2 diabetes. <i>International Journal of Advances in Engineering Sciences and Applied Mathematics</i> , 2019, 11, 105-118.	0.7	2
36	Systems-level analysis of transcriptome reorganization during liver regeneration. <i>Molecular Omics</i> , 2022, 18, 315-327.	1.4	2

#	ARTICLE	IF	CITATIONS
37	Exploring Histological Similarities Across Cancers From a Deep Learning Perspective. <i>Frontiers in Oncology</i> , 2022, 12, 842759.	1.3	1
38	Cell Cycle Transitions, Mitotic Exit. , 2013, , 333-336.		0