Dhruv Kumar

List of Publications by Year in descending order

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87	2,335	304743	243625
papers	citations	22 h-index	44 g-index

97	97	97	3687
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Oxidative Stress in Cancer Cell Metabolism. Antioxidants, 2021, 10, 642.	5.1	231
2	Specific targeting cancer cells with nanoparticles and drug delivery in cancer therapy. Seminars in Cancer Biology, 2021, 69, 166-177.	9.6	197
3	Rottlerin induces autophagy which leads to apoptotic cell death through inhibition of PI3K/Akt/mTOR pathway in human pancreatic cancer stem cells. Biochemical Pharmacology, 2012, 84, 1154-1163.	4.4	192
4	Rottlerin induces autophagy and apoptosis in prostate cancer stem cells via PI3K/Akt/mTOR signaling pathway. Cancer Letters, 2014, 343, 179-189.	7.2	191
5	Biomolecular characterization of exosomes released from cancer stem cells: Possible implications for biomarker and treatment of cancer. Oncotarget, 2015, 6, 3280-3291.	1.8	134
6	Rottlerin-induced autophagy leads to the apoptosis in breast cancer stem cells: molecular mechanisms. Molecular Cancer, 2013, 12, 171.	19.2	114
7	Epigenetic modifications by dietary phytochemicals: Implications for personalized nutrition. , 2013, 138, 1-17.		111
8	Cancer-Associated Fibroblasts Drive Glycolysis in a Targetable Signaling Loop Implicated in Head and Neck Squamous Cell Carcinoma Progression. Cancer Research, 2018, 78, 3769-3782.	0.9	96
9	NVP-LDE-225 (Erismodegib) inhibits epithelialâ€“mesenchymal transition and human prostate cancer stem cell growth in NOD/SCID IL2RÎ³ null mice by regulating Bmi-1 and microRNA-128. Oncogenesis, 2013, 2, e42-e42.	4.9	92
10	Discovery of New Hydroxyethylamine Analogs against 3CL^{pro} Protein Target of SARS-CoV-2: Molecular Docking, Molecular Dynamics Simulation, and Structureâ€“Activity Relationship Studies. Journal of Chemical Information and Modeling, 2020, 60, 5754-5770.	5.4	92
11	Evidence of Coronavirus (CoV) Pathogenesis and Emerging Pathogen SARS-CoV-2 in the Nervous System: A Review on Neurological Impairments and Manifestations. Journal of Molecular Neuroscience, 2021, 71, 2192-2209.	2.3	89
12	Arsenic exposure in Indo Gangetic plains of Bihar causing increased cancer risk. Scientific Reports, 2021, 11, 2376.	3.3	60
13	The chaperone-like protein 14-3-3Î· interacts with human Î±-synuclein aggregation intermediates rerouting the amyloidogenic pathway and reducing Î±-synuclein cellular toxicity. Human Molecular Genetics, 2014, 23, 5615-5629.	2.9	56
14	Antioxidants in Alzheimerâ€™s Disease: Current Therapeutic Significance and Future Prospects. Biology, 2022, 11, 212.	2.8	48
15	Mitigation of Tumor-Associated Fibroblast-Facilitated Head and Neck Cancer Progression With Antiâ€“Hepatocyte Growth Factor Antibody Ficlatuzumab. JAMA Otolaryngology - Head and Neck Surgery, 2015, 141, 1133.	2.2	43
16	Molecular mechanism(s) of regulation(s) of c-MET/HGF signaling in head and neck cancer. Molecular Cancer, 2022, 21, 31.	19.2	42
17	Structure-based drug repurposing for targeting Nsp9 replicase and spike proteins of severe acute respiratory syndrome coronavirus 2. Journal of Biomolecular Structure and Dynamics, 2022, 40, 249-262.	3.5	38
18	The degree of intratumor mutational heterogeneity varies by primary tumor sub-site. Oncotarget, 2016, 7, 27185-27198.	1.8	37

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19	Covalent Î±-Synuclein Dimers: Chemico-Physical and Aggregation Properties. PLoS ONE, 2012, 7, e50027.	2.5	35
20	The role of microRNA-21 in the onset and progression of cancer. Future Medicinal Chemistry, 2021, 13, 1885-1906.	2.3	34
21	Effect of incorporation of montmorillonite on Xylan/Chitosan conjugate scaffold. Colloids and Surfaces B: Biointerfaces, 2019, 180, 75-82.	5.0	27
22	Viral pathogenesis of SARS-CoV-2 infection and male reproductive health. Open Biology, 2021, 11, 200347.	3.6	25
23	Potent Antitumor Effects of a Combination of Three Nutraceutical Compounds. Scientific Reports, 2018, 8, 12163.	3.3	24
24	Effects of curcumin-loaded poly(lactic-co-glycolic acid) nanoparticles in MDA-MB231 human breast cancer cells. Nanomedicine, 2021, 16, 1763-1773.	3.3	21
25	Regulation of glycolysis in head and neck squamous cell carcinoma. Postdoc Journal, 2017, 5, 14-28.	0.4	19
26	Metabolic regulation in HPV associated head and neck squamous cell carcinoma. Life Sciences, 2020, 258, 118236.	4.3	17
27	Effect of cellulose nanocrystals on chitosan/PVA/nano Î²-TCP composite scaffold for bone tissue engineering application. Journal of Biomaterials Science, Polymer Edition, 2022, 33, 1-19.	3.5	13
28	Giant Cell Tumor of the Pes Anserine Bursa (Extra-Articular Pigmented Villonodular Bursitis): A Case Report and Review of the Literature. Case Reports in Medicine, 2011, 2011, 1-6.	0.7	11
29	Development and Characterization of an In Vitro Model for Radiation-Induced Fibrosis. Radiation Research, 2018, 189, 326.	1.5	11
30	Novel Antiplasmodial Compounds Leveraged with Multistage Potency against the Parasite Plasmodium falciparum: In Vitro and In Vivo Evaluations and Pharmacokinetic Studies. Journal of Medicinal Chemistry, 2021, 64, 8666-8683.	6.4	11
31	Assessment of disease burden in the arsenic exposed population of Chapar village of Samastipur district, Bihar, India, and related mitigation initiative. Environmental Science and Pollution Research, 2022, 29, 27443-27459.	5.3	11
32	Bilateral synchronous tibial periosteal osteosarcoma with familial incidence. Skeletal Radiology, 2012, 41, 1005-1009.	2.0	10
33	Development of potential proteasome inhibitors against Mycobacterium tuberculosis. Journal of Biomolecular Structure and Dynamics, 2020, , 1-15.	3.5	10
34	Assessment of arsenic exposure in the population of Sabalpur village of Saran District of Bihar with mitigation approach. Environmental Science and Pollution Research, 2021, 28, 43923-43934.	5.3	10
35	Advances in pulmonary drug delivery targeting microbial biofilms in respiratory diseases. Nanomedicine, 2021, 16, 1905-1923.	3.3	10
36	A Rare Consequence of Chronic Graft Versus Host Disease - Peyronie's Disease. Archives in Cancer Research, 2015, 3, .	0.3	9

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37	Bracing NK cell based therapy to relegate pulmonary inflammation in COVID-19. Heliyon, 2021, 7, e07635.	3.2	9
38	Molecular mechanisms of interplay between autophagy and metabolism in cancer. Life Sciences, 2020, 259, 118184.	4.3	8
39	Role of monocarboxylate transporters in head and neck squamous cell carcinoma. Life Sciences, 2021, 279, 119709.	4.3	8
40	Stem Cell Based Preclinical Drug Development and Toxicity Prediction. Current Pharmaceutical Design, 2021, 27, 2237-2251.	1.9	8
41	Investigation of Precise Molecular Mechanistic Action of Tobacco-Associated Carcinogen `NNKÂ´ Induced Carcinogenesis: A System Biology Approach. Genes, 2019, 10, 564.	2.4	7
42	Comparative analysis of TiO₂ and Ag nanoparticles on xylan/chitosan conjugate matrix for wound healing application. International Journal of Polymeric Materials and Polymeric Biomaterials, 2022, 71, 376-385.	3.4	7
43	Immunological Mechanisms of Vaccine-Induced Protection against SARS-CoV-2 in Humans. Immuno, 2021, 1, 442-456.	1.5	7
44	Human kidney stone matrix proteins alleviate hyperoxaluria induced renal stress by targeting cell-crystal interactions. Life Sciences, 2020, 262, 118498.	4.3	6
45	Understanding the Molecular Mechanism(s) of SARS-CoV2 Infection and Propagation in Human to Discover Potential Preventive and Therapeutic Approach. Coronaviruses, 2020, 1, 73-81.	0.3	6
46	Insights into the cytoprotective potential of Bergenia ligulata against oxalate-induced oxidative stress and epithelialâ€“mesenchymal transition (EMT) via TGFÎ²1/p38MAPK pathway in human renal epithelial cells. Urolithiasis, 2022, 50, 259-278.	2.0	6
47	Deciphering the SSR incidences across viral members of Coronaviridae family. Chemico-Biological Interactions, 2020, 331, 109226.	4.0	5
48	Assessment of arsenic exposure and its mitigation intervention in severely exposed population of Buxar district of Bihar, India. Toxicology and Environmental Health Sciences, 2021, 13, 287-297.	2.1	5
49	Molecular Mechanisms of Heavy Metal Toxicity in Cancer Progression. Environmental Science and Engineering, 2019, , 49-79.	0.2	4
50	Targeting Signalling Cross-Talk between Cancer Cells and Cancer-Associated Fibroblast through Monocarboxylate Transporters in Head and Neck Cancer. Anti-Cancer Agents in Medicinal Chemistry, 2021, 21, 1369-1378.	1.7	4
51	Synthesis of the new analogs of morpholine and their antiplasmodial evaluation against the human malaria parasite Plasmodium falciparum. New Journal of Chemistry, 2021, 46, 250-262.	2.8	4
52	Inclusion of Semantic and Time-Variant Information Using Matrix Factorization Approach for Implicit Rating of Last.Fm Dataset. Arabian Journal for Science and Engineering, 2016, 41, 5077-5092.	1.1	3
53	Biochemical Toxicology: Heavy Metals and Nanomaterials. , 0, , .		3
54	Regulation of Glycolysis in Head and Neck Cancer. Advances in Experimental Medicine and Biology, 2021, 1280, 219-230.	1.6	3

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55	Antibody-Targeted Nanoparticles for Cancer Treatment. , 2020, , 35-65.		3
56	In silico identification of potential inhibitors against Mycobacterial proteasome. , 2018, , .		2
57	Role of Curcumin in reducing toxicity and adverse effects in locally advanced and metastatic breast cancer patients. Annals of Oncology, 2019, 30, vi126-vi127.	1.2	2
58	Novel 3,4-diarylpyrazole as prospective anti-cancerous agents. Heliyon, 2020, 6, e04397.	3.2	2
59	Structural and Morphological Characterization of CdS Nanoparticles. Current Physical Chemistry, 2021, 11, 69-79.	0.2	2
60	In silico identification of potential inhibitor for TP53-induced glycolysis and apoptosis regulator in head and neck squamous cell carcinoma. 3 Biotech, 2021, 11, 117.	2.2	2
61	Identification and validation of potent Mycobacterial proteasome inhibitor from Enamine library. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8644-8654.	3.5	2
62	In silico identification and validation of triarylchromones as potential inhibitor against main protease of severe acute respiratory syndrome coronavirus 2. Journal of Biomolecular Structure and Dynamics, 2021, , 1-16.	3.5	2
63	Computational study of novel inhibitory molecule, 1-(4-((2S,3S)-3-amino-2-hydroxy-4-phenylbutyl)piperazin-1-yl)-3-phenylurea, with high potential to competitively block ATP binding to the RNA dependent RNA polymerase of SARS-CoV-2 virus. Journal of Biomolecular Structure and Dynamics, 2022, 40, 10162-10180.	3.5	2
64	SRF based modeling and control of cascaded multilevel active rectifier with uniform DC-buses. , 2014, , .		1
65	Role of Radiation in DNA Damage and Radiation Induced Cancer. Environmental Science and Engineering, 2019, , 1-23.	0.2	1
66	A Comparative Cross-Platform Meta-Analysis to Identify Potential Biomarker Genes Common to Endometriosis and Recurrent Pregnancy Loss. Applied Sciences (Switzerland), 2021, 11, 3349.	2.5	1
67	Mutational heterogeneity in spike glycoproteins of severe acute respiratory syndrome coronavirus 2. 3 Biotech, 2021, 11, 236.	2.2	1
68	Role of Interferon in Cancer Metabolism. , 0, , .		1
69	Abstract B37: Targeting tumor-stroma metabolic symbiosis for head and neck cancer therapy. , 2016, , .		1
70	Understanding Cellular and Molecular Events of Skin Aging and Cancer: An Integrative Perspective. , 2019, , 11-28.		1
71	Bioinformatics in Skin Cancer: A System Biology Approach to Understanding the Molecular Mechanisms and Itâ€™s Regulations. , 2019, , 101-111.		1
72	Role of c-Met/HGF Axis in Altered Cancer Metabolism. , 2020, , 89-102.		1

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73	Cancer Cell Metabolism: Solid Tumor Versus Nonsolid Tumor. , 2020, , 1-13.		1
74	Identification and validation of potent inhibitor of Escherichia coli DHFR from MMV pathogen box. Journal of Biomolecular Structure and Dynamics, 0, , 1-10.	3.5	1
75	Applications of Microarray-Based Technologies in Identifying Disease-Associated Single Nucleotide Variations. , 2019, , 61-73.		0
76	Role of Macrophages in Solid Tumor Metabolism. , 0, , .		0
77	Total Stromal Fraction (TSF) - Fortified Adipose tissue-derived Stem Cells Source: An Emerging Regenerative Realm Against COVID-19 Induced Pulmonary Compromise. Coronaviruses, 2021, 02, .	0.3	0
78	Abstract A189: The combination of NPV-LDE-225 (Erismodegib) and BEZ-235 is superior to single agent alone in inhibiting glioblastoma initiating cell growthin vitroandin vivo.. , 2013, , .		0
79	Challenges in Stem Cells and Translational Research. , 2014, , 483-501.		0
80	Abstract 329: Rottlerin induced autophagy by targeting multiple sites that leads to the apoptosis in cancer stem cells. , 2014, , .		0
81	Abstract 1139: Tumor-associated fibroblasts facilitate head and neck cancer metabolism. , 2015, , .		0
82	Abstract B116: Mechanistic insights into the antitumor efficacy of nutraceutical GZ17-06.02, a highly effective formulation of Arum palaestinum extract, on head and neck squamous cell carcinoma. , 2015, , .		0
83	Abstract 1030: Targeting tumor-stroma metabolic symbiosis for head and neck cancer therapy. , 2016, , .		0
84	Role of tumor heterogeneity in drug resistance. Global Journal of Cancer Therapy, 2019, 3, 032-033.	0.1	0
85	Abstract 2970: Mitigating tumor-stroma metabolic symbiosis for cancer therapy. , 2017, , .		0
86	Role of Autophagy in Cancer Cell Metabolism. , 2020, , 65-87.		0
87	Correction to: Cancer Cell Metabolism: A Potential Target for Cancer Therapy. , 2020, , C1-C1.		0