Dhruv Kumar

List of Publications by Year in descending order

87 papers	2,335 citations	346980 22 h-index	274796 44 g-index
97 all docs	97 docs citations	97 times ranked	3971 citing authors

#	Article	IF	Citations
1	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.	1.8	7
2	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.	2.0	38
3	Identification and validation of potent Mycobacterial proteasome inhibitor from Enamine library. Journal of Biomolecular Structure and Dynamics, 2022, 40, 8644-8654.	2.0	2
4	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.	2.0	2
5	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.	1.9	13
6	Antioxidants in Alzheimerâ€™s Disease: Current Therapeutic Significance and Future Prospects. Biology, 2022, 11, 212.	1.3	48
7	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.	2.7	11
8	Molecular mechanism(s) of regulation(s) of c-MET/HGF signaling in head and neck cancer. Molecular Cancer, 2022, 21, 31.	7.9	42
9	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.	1.2	6
10	Specific targeting cancer cells with nanoparticles and drug delivery in cancer therapy. Seminars in Cancer Biology, 2021, 69, 166-177.	4.3	197
11	Regulation of Glycolysis in Head and Neck Cancer. Advances in Experimental Medicine and Biology, 2021, 1280, 219-230.	0.8	3
12	Arsenic exposure in Indo Gangetic plains of Bihar causing increased cancer risk. Scientific Reports, 2021, 11, 2376.	1.6	60
13	Viral pathogenesis of SARS-CoV-2 infection and male reproductive health. Open Biology, 2021, 11, 200347.	1.5	25
14	Structural and Morphological Characterization of CdS Nanoparticles. Current Physical Chemistry, 2021, 11, 69-79.	0.1	2
15	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.	1.1	2
16	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.	1.1	5
17	A Comparative Cross-Platform Meta-Analysis to Identify Potential Biomarker Genes Common to Endometriosis and Recurrent Pregnancy Loss. Applied Sciences (Switzerland), 2021, 11, 3349.	1.3	1
18	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.	2.7	10

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19	Mutational heterogeneity in spike glycoproteins of severe acute respiratory syndrome coronavirus 2. 3 Biotech, 2021, 11, 236.	1.1	1
20	Oxidative Stress in Cancer Cell Metabolism. Antioxidants, 2021, 10, 642.	2.2	231
21	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.	2.0	2
22	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.	2.9	11
23	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.	0.9	4
24	Bracing NK cell based therapy to relegate pulmonary inflammation in COVID-19. Heliyon, 2021, 7, e07635.	1.4	9
25	Role of monocarboxylate transporters in head and neck squamous cell carcinoma. Life Sciences, 2021, 279, 119709.	2.0	8
26	Effects of curcumin-loaded poly(lactic-co-glycolic acid) nanoparticles in MDA-MB231 human breast cancer cells. Nanomedicine, 2021, 16, 1763-1773.	1.7	21
27	The role of microRNA-21 in the onset and progression of cancer. Future Medicinal Chemistry, 2021, 13, 1885-1906.	1.1	34
28	Advances in pulmonary drug delivery targeting microbial biofilms in respiratory diseases. Nanomedicine, 2021, 16, 1905-1923.	1.7	10
29	Total Stromal Fraction (TSF) - Fortified Adipose tissue-derived Stem Cells Source: An Emerging Regenerative Realm Against COVID-19 Induced Pulmonary Compromise. Coronaviruses, 2021, 02, .	0.2	0
30	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.	1.1	89
31	Immunological Mechanisms of Vaccine-Induced Protection against SARS-CoV-2 in Humans. Immuno, 2021, 1, 442-456.	0.6	7
32	Stem Cell Based Preclinical Drug Development and Toxicity Prediction. Current Pharmaceutical Design, 2021, 27, 2237-2251.	0.9	8
33	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.	1.4	4
34	Novel 3,4-diarylpyrazole as prospective anti-cancerous agents. Heliyon, 2020, 6, e04397.	1.4	2
35	Human kidney stone matrix proteins alleviate hyperoxaluria induced renal stress by targeting cell-crystal interactions. Life Sciences, 2020, 262, 118498.	2.0	6
36	Molecular mechanisms of interplay between autophagy and metabolism in cancer. Life Sciences, 2020, 259, 118184.	2.0	8

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37	Metabolic regulation in HPV associated head and neck squamous cell carcinoma. Life Sciences, 2020, 258, 118236.	2.0	17
38	Development of potential proteasome inhibitors against Mycobacterium tuberculosis. Journal of Biomolecular Structure and Dynamics, 2020, , 1-15.	2.0	10
39	Deciphering the SSR incidences across viral members of Coronaviridae family. Chemico-Biological Interactions, 2020, 331, 109226.	1.7	5
40	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.	2.5	92
41	Antibody-Targeted Nanoparticles for Cancer Treatment. , 2020, , 35-65.		3
42	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.	0.2	6
43	Role of c-Met/HGF Axis in Altered Cancer Metabolism. , 2020, , 89-102.		1
44	Cancer Cell Metabolism: Solid Tumor Versus Nonsolid Tumor. , 2020, , 1-13.		1
45	Role of Autophagy in Cancer Cell Metabolism. , 2020, , 65-87.		0
46	Correction to: Cancer Cell Metabolism: A Potential Target for Cancer Therapy. , 2020, , C1-C1.		0
47	Investigation of Precise Molecular Mechanistic Action of Tobacco-Associated Carcinogen `NNKÂ´ Induced Carcinogenesis: A System Biology Approach. Genes, 2019, 10, 564.	1.0	7
48	Role of Curcumin in reducing toxicity and adverse effects in locally advanced and metastatic breast cancer patients. Annals of Oncology, 2019, 30, vi126-vi127.	0.6	2
49	Role of Radiation in DNA Damage and Radiation Induced Cancer. Environmental Science and Engineering, 2019, , 1-23.	0.1	1
50	Molecular Mechanisms of Heavy Metal Toxicity in Cancer Progression. Environmental Science and Engineering, 2019, , 49-79.	0.1	4
51	Effect of incorporation of montmorillonite on Xylan/Chitosan conjugate scaffold. Colloids and Surfaces B: Biointerfaces, 2019, 180, 75-82.	2.5	27
52	Applications of Microarray-Based Technologies in Identifying Disease-Associated Single Nucleotide Variations. , 2019, , 61-73.		0
53	Role of tumor heterogeneity in drug resistance. Global Journal of Cancer Therapy, 2019, 3, 032-033.	0.4	0
54	Understanding Cellular and Molecular Events of Skin Aging and Cancer: An Integrative Perspective. , 2019, , 11-28.		1

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55	Bioinformatics in Skin Cancer: A System Biology Approach to Understanding the Molecular Mechanisms and Itâ€™s Regulations. , 2019, , 101-111.		1
56	Development and Characterization of an In Vitro Model for Radiation-Induced Fibrosis. Radiation Research, 2018, 189, 326.	0.7	11
57	In silico identification of potential inhibitors against Mycobacterial proteasome. , 2018, , .		2
58	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.	0.4	96
59	Potent Antitumor Effects of a Combination of Three Nutraceutical Compounds. Scientific Reports, 2018, 8, 12163.	1.6	24
60	Regulation of glycolysis in head and neck squamous cell carcinoma. Postdoc Journal, 2017, 5, 14-28.	0.4	19
61	Abstract 2970: Mitigating tumor-stroma metabolic symbiosis for cancer therapy. , 2017, , .		0
62	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
63	The degree of intratumor mutational heterogeneity varies by primary tumor sub-site. Oncotarget, 2016, 7, 27185-27198.	0.8	37
64	Abstract B37: Targeting tumor-stroma metabolic symbiosis for head and neck cancer therapy. , 2016, , .		1
65	Abstract 1030: Targeting tumor-stroma metabolic symbiosis for head and neck cancer therapy. , 2016, , .		0
66	A Rare Consequence of Chronic Graft Versus Host Disease - Peyronie's Disease. Archives in Cancer Research, 2015, 3, .	0.3	9
67	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.	1.2	43
68	Biomolecular characterization of exosomes released from cancer stem cells: Possible implications for biomarker and treatment of cancer. Oncotarget, 2015, 6, 3280-3291.	0.8	134
69	Abstract 1139: Tumor-associated fibroblasts facilitate head and neck cancer metabolism. , 2015, , .		0
70	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
71	SRF based modeling and control of cascaded multilevel active rectifier with uniform DC-buses. , 2014, , .		1
72	Rottlerin induces autophagy and apoptosis in prostate cancer stem cells via PI3K/Akt/mTOR signaling pathway. Cancer Letters, 2014, 343, 179-189.	3.2	191

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73	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.	1.4	56
74	Challenges in Stem Cells and Translational Research. , 2014, , 483-501.		0
75	Abstract 329: Rottlerin induced autophagy by targeting multiple sites that leads to the apoptosis in cancer stem cells. , 2014, , .		0
76	Epigenetic modifications by dietary phytochemicals: Implications for personalized nutrition. , 2013, 138, 1-17.		111
77	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.	2.1	92
78	Rottlerin-induced autophagy leads to the apoptosis in breast cancer stem cells: molecular mechanisms. Molecular Cancer, 2013, 12, 171.	7.9	114
79	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
80	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.	2.0	192
81	Covalent Î±-Synuclein Dimers: Chemico-Physical and Aggregation Properties. PLoS ONE, 2012, 7, e50027.	1.1	35
82	Bilateral synchronous tibial periosteal osteosarcoma with familial incidence. Skeletal Radiology, 2012, 41, 1005-1009.	1.2	10
83	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.	0.3	11
84	Biochemical Toxicology: Heavy Metals and Nanomaterials. , 0, , .		3
85	Role of Macrophages in Solid Tumor Metabolism. , 0, , .		0
86	Role of Interferon in Cancer Metabolism. , 0, , .		1
87	Identification and validation of potent inhibitor of Escherichia coli DHFR from MMV pathogen box. Journal of Biomolecular Structure and Dynamics, 0, , 1-10.	2.0	1