Parvez Khan

List of Publications by Year in descending order

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71	2,253	201385	233125
papers	citations	27 h-index	45 g-index

73	73	73	1990
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Luminol-Based Chemiluminescent Signals: Clinical and Non-clinical Application and Future Uses. Applied Biochemistry and Biotechnology, 2014, 173, 333-355.	1.4	212
2	Rosmarinic Acid Exhibits Anticancer Effects via MARK4 Inhibition. Scientific Reports, 2020, 10, 10300.	1.6	114
3	Investigation of molecular mechanism of recognition between citral and MARK4: A newer therapeutic approach to attenuate cancer cell progression. International Journal of Biological Macromolecules, 2018, 107, 2580-2589.	3.6	96
4	Elucidation of Dietary Polyphenolics as Potential Inhibitor of Microtubule Affinity Regulating Kinase 4: In silico and In vitro Studies. Scientific Reports, 2017, 7, 9470.	1.6	91
5	Investigation of inhibitory potential of quercetin to the pyruvate dehydrogenase kinase 3: Towards implications in anticancer therapy. International Journal of Biological Macromolecules, 2019, 136, 1076-1085.	3.6	80
6	Evaluation of ellagic acid as an inhibitor of sphingosine kinase 1: A targeted approach towards anticancer therapy. Biomedicine and Pharmacotherapy, 2019, 118, 109245.	2.5	78
7	Ellagic Acid Controls Cell Proliferation and Induces Apoptosis in Breast Cancer Cells via Inhibition of Cyclin-Dependent Kinase 6. International Journal of Molecular Sciences, 2020, 21, 3526.	1.8	74
8	Synthesis, characterization and biological evaluation of tertiary sulfonamide derivatives of pyridyl-indole based heteroaryl chalcone as potential carbonic anhydrase IX inhibitors and anticancer agents. European Journal of Medicinal Chemistry, 2018, 155, 13-23.	2.6	71
9	Design and development of Isatin-triazole hydrazones as potential inhibitors of microtubule affinity-regulating kinase 4 for the therapeutic management of cell proliferation and metastasis. European Journal of Medicinal Chemistry, 2019, 163, 840-852.	2.6	69
10	Binding studies and biological evaluation of Î²-carotene as a potential inhibitor of human calcium/calmodulin-dependent protein kinase IV. International Journal of Biological Macromolecules, 2017, 96, 161-170.	3.6	67
11	Identification of Î±-Mangostin as a Potential Inhibitor of Microtubule Affinity Regulating Kinase 4. Journal of Natural Products, 2019, 82, 2252-2261.	1.5	62
12	Evidence of vanillin binding to CAMKIV explains the anti-cancer mechanism in human hepatic carcinoma and neuroblastoma cells. Molecular and Cellular Biochemistry, 2018, 438, 35-45.	1.4	56
13	RNA-based therapies: A cog in the wheel of lung cancer defense. Molecular Cancer, 2021, 20, 54.	7.9	53
14	Biological evaluation of p-toluene sulphonylhydrazone as carbonic anhydrase IX inhibitors: An approach to fight hypoxia-induced tumors. International Journal of Biological Macromolecules, 2018, 106, 840-850.	3.6	52
15	Binding mechanism of caffeic acid and simvastatin to the integrin linked kinase for therapeutic implications: a comparative docking and MD simulation studies. Journal of Biomolecular Structure and Dynamics, 2019, 37, 4327-4337.	2.0	52
16	Insight of the Interaction between 2,4-thiazolidinedione and Human Serum Albumin: A Spectroscopic, Thermodynamic and Molecular Docking Study. International Journal of Molecular Sciences, 2019, 20, 2727.	1.8	51
17	Probing the Inhibition of Microtubule Affinity Regulating Kinase 4 by N-Substituted Acridones. Scientific Reports, 2019, 9, 1676.	1.6	49
18	Inhibiting CDK6 Activity by Quercetin Is an Attractive Strategy for Cancer Therapy. ACS Omega, 2020, 5, 27480-27491.	1.6	48

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19	Exploring molecular insights into the interaction mechanism of cholesterol derivatives with the Mce4A: A combined spectroscopic and molecular dynamic simulation studies. International Journal of Biological Macromolecules, 2018, 111, 548-560.	3.6	45
20	Synthesis, molecular docking and inhibition studies of novel 3-N-aryl substituted-2-heteroarylchromones targeting microtubule affinity regulating kinase 4 inhibitors. European Journal of Medicinal Chemistry, 2018, 159, 166-177.	2.6	41
21	Elucidation of interaction mechanism of ellagic acid to the integrin linked kinase. International Journal of Biological Macromolecules, 2019, 122, 1297-1304.	3.6	38
22	Pathophysiological role of growth differentiation factor 15 (GDF15) in obesity, cancer, and cachexia. Cytokine and Growth Factor Reviews, 2022, 64, 71-83.	3.2	38
23	Structure guided design of potential inhibitors of human calciumâ€“calmodulin dependent protein kinase IV containing pyrimidine scaffold. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 782-788.	1.0	34
24	Thienopyrimidineâ€“Chalcone Hybrid Molecules Inhibit Fas-Activated Serine/Threonine Kinase: An Approach To Ameliorate Antiproliferation in Human Breast Cancer Cells. Molecular Pharmaceutics, 2018, 15, 4173-4189.	2.3	33
25	Design, Synthesis, and Biological Evaluation of Novel Fused Spiro-4H-Pyran Derivatives as Bacterial Biofilm Disruptor. ACS Omega, 2019, 4, 16794-16807.	1.6	33
26	Epigenetic landscape of small cell lung cancer: small image of a giant recalcitrant disease. Seminars in Cancer Biology, 2022, 83, 57-76.	4.3	33
27	GDF15 promotes prostate cancer bone metastasis and colonization through osteoblastic CCL2 and RANKL activation. Bone Research, 2022, 10, 6.	5.4	32
28	Design, synthesis & biological evaluation of ferulic acid-based small molecule inhibitors against tumor-associated carbonic anhydrase IX. Bioorganic and Medicinal Chemistry, 2020, 28, 115424.	1.4	30
29	Synthesis and SAR studies of novel 1,2,4-oxadiazole-sulfonamide based compounds as potential anticancer agents for colorectal cancer therapy. Bioorganic Chemistry, 2020, 98, 103754.	2.0	29
30	Molecular basis of the structural stability of hemochromatosis factor <scp>E</scp>: A combined molecular dynamic simulation and GdmClâ€induced denaturation study. Biopolymers, 2016, 105, 133-142.	1.2	28
31	Design, synthesis, and biological evaluation of pyrimidine derivatives as potential inhibitors of human calcium/calmodulinâ€dependent protein kinase <scp>IV</scp>. Chemical Biology and Drug Design, 2017, 89, 741-754.	1.5	28
32	Cucurbitacin D Reprograms Glucose Metabolic Network in Prostate Cancer. Cancers, 2019, 11, 364.	1.7	26
33	Myricetin inhibits breast and lung cancer cells proliferation via inhibiting MARK4. Journal of Cellular Biochemistry, 2022, 123, 359-374.	1.2	26
34	Live cell monitoring of glycine betaine by FRET-based genetically encoded nanosensor. Biosensors and Bioelectronics, 2016, 86, 169-175.	5.3	25
35	Targeting cyclinâ€dependent kinase 6 by vanillin inhibits proliferation of breast and lung cancer cells: Combined computational and biochemical studies. Journal of Cellular Biochemistry, 2021, 122, 897-910.	1.2	25
36	Structural Features of Nucleoprotein CST/Shelterin Complex Involved in the Telomere Maintenance and Its Association with Disease Mutations. Cells, 2020, 9, 359.	1.8	24

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37	Liquid biopsies to occult brain metastasis. Molecular Cancer, 2022, 21, 113.	7.9	23
38	Structural basis of urea-induced unfolding: Unraveling the folding pathway of hemochromatosis factor E. International Journal of Biological Macromolecules, 2016, 91, 1051-1061.	3.6	21
39	Novel Mechanistic Insight into the Anticancer Activity of Cucurbitacin D against Pancreatic Cancer (Cuc D Attenuates Pancreatic Cancer). Cells, 2020, 9, 103.	1.8	20
40	Effect of pH on the stability of hemochromatosis factor E: a combined spectroscopic and molecular dynamics simulation-based study. Journal of Biomolecular Structure and Dynamics, 2017, 35, 1582-1598.	2.0	19
41	Engineering genetically encoded FRET-based nanosensors for real time display of arsenic (As3+) dynamics in living cells. Scientific Reports, 2019, 9, 11240.	1.6	17
42	Implication of sulfonylurea derivatives as prospective inhibitors of human carbonic anhydrase II. International Journal of Biological Macromolecules, 2018, 115, 961-969.	3.6	16
43	Design and Development of Small-Molecule Arylaldoxime/5-Nitroimidazole Hybrids as Potent Inhibitors of MARK4: A Promising Approach for Target-Based Cancer Therapy. ACS Omega, 2020, 5, 22759-22771.	1.6	16
44	Synthesis, estrogen receptor binding affinity and molecular docking of pyrimidine-piperazine-chromene and -quinoline conjugates. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4493-4499.	1.0	14
45	Understanding the Role and Mechanism of Carbonic Anhydrase V in Obesity and its Therapeutic Implications. Current Protein and Peptide Science, 2018, 19, 909-923.	0.7	14
46	Discovery of 4-(2-(dimethylamino)ethoxy)benzohydrazide derivatives as prospective microtubule affinity regulating kinase 4 inhibitors. RSC Advances, 2020, 10, 20129-20137.	1.7	14
47	MicroRNA-1: Diverse role of a small player in multiple cancers. Seminars in Cell and Developmental Biology, 2022, 124, 114-126.	2.3	14
48	Identification of morpholine based hydroxylamine analogues: selective inhibitors of MARK4/Par-1d causing cancer cell death through apoptosis. New Journal of Chemistry, 2020, 44, 16626-16637.	1.4	13
49	Identification of Interfacial Residues Involved in Hepcidin-Ferroportin Interaction. Letters in Drug Design and Discovery, 2014, 11, 363-374.	0.4	13
50	Naringenin as a potential inhibitor of human cyclin-dependent kinase 6: Molecular and structural insights into anti-cancer therapeutics. International Journal of Biological Macromolecules, 2022, 213, 944-954.	3.6	13
51	1,2,3-Triazoleâ€“quinazolin-4(3H)-one conjugates: evolution of ergosterol inhibitor as anticandidal agent. RSC Advances, 2018, 8, 39611-39625.	1.7	12
52	Visualization of thiamine in living cells using genetically encoded fluorescent nanosensor. Biochemical Engineering Journal, 2019, 146, 170-178.	1.8	12
53	Design and development of 5-(4H)-oxazolones as potential inhibitors of human carbonic anhydrase VA: towards therapeutic management of diabetes and obesity. Journal of Biomolecular Structure and Dynamics, 2022, 40, 3144-3154.	2.0	10
54	Biofilm inhibition and DNA binding studies of isoxazole-triazole conjugates in the development of effective anti-bacterial agents. Journal of Molecular Structure, 2020, 1201, 127144.	1.8	9

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55	5-Fluorouracil (5-FU)-based Aza-Michael addition product: A selective carbonic anhydrase IX inhibitor. Journal of Molecular Structure, 2021, 1231, 129977.	1.8	7
56	Rethinking the chemokine cascade in brain metastasis: Preventive and therapeutic implications. Seminars in Cancer Biology, 2022, 86, 914-930.	4.3	7
57	A Fluorescence Resonance Energy Transfer-Based Analytical Tool for Nitrate Quantification in Living Cells. ACS Omega, 2020, 5, 30306-30314.	1.6	6
58	Classification and structural analyses of mutational landscapes in hemochromatosis factor E protein: A protein defective in the hereditary hemochromatosis. Gene Reports, 2017, 6, 93-102.	0.4	4
59	Protein stability: Determination of structure and stability of the transmembrane protein Mce4A from M. tuberculosis in membrane-like environment. International Journal of Biological Macromolecules, 2019, 126, 488-495.	3.6	4
60	Pharmacological Activities of Novel Chromene Derivatives as Calcium/Calmodulin Dependent Protein Kinase IV (CAMKIV) Inhibitors. ChemistrySelect, 2020, 5, 498-505.	0.7	4
61	Insights into the Antibacterial Activity of Prolactin-Inducible Protein against the Standard and Environmental MDR Bacterial Strains. Microorganisms, 2022, 10, 597.	1.6	3
62	Scrutinizing Deleterious Nonsynonymous SNPs and Their Effect on Human POLD1 Gene. Genetical Research, 2022, 2022, 1-12.	0.3	2
63	97. Cytokine, 2014, 70, 51.	1.4	1
64	Ferulic Hydroxamic Acid Triazole Hybrids as Peptide Deformylase Inhibitors: Synthesis, Molecular Modelling and Biological Evaluation. ChemistrySelect, 2020, 5, 11420-11430.	0.7	1
65	Unravelling the unfolding pathway of human Fas-activated serine/threonine kinase induced by urea. Journal of Biomolecular Structure and Dynamics, 2021, 39, 5516-5525.	2.0	1
66	Genetics, Ageing and Human Health. , 2019, , 193-209.		0
67	Structure Guided Design and Development of High Affinity Selective Kinase Inhibitor: A Newer Therapeutic Approach to Attenuate Hepatocelular Carcinoma. Hpb, 2019, 21, S244.	0.1	0
68	BIOL-06. MIR-1253 POTENTIATES CISPLATIN RESPONSE IN PEDIATRIC GROUP 3 MEDULLOBLASTOMA BY REGULATING FERROPTOSIS. Neuro-Oncology, 2021, 23, i4-i4.	0.6	0
69	Abstract 4809: Bromo-ormeloxifene inhibits epithelial mesenchymal transitionviatargeting Î²-catenin signaling pathways in cervical cancer cells. , 2019, , .		0
70	Abstract 4809: Bromo-ormeloxifene inhibits epithelial mesenchymal transitionviatargeting Î²-catenin signaling pathways in cervical cancer cells. , 2019, , .		0
71	MEDB-90. Iron Imbalance Can Potentiate Cisplatin Response in Pediatric Medulloblastoma by Regulating Ferroptosis. Neuro-Oncology, 2022, 24, i127-i128.	0.6	0