Guohui Sun

List of Publications by Year
in descending order

32 papers	635 citations	567281 15 h-index	610901 24 g-index
32 all docs	32 docs citations	32 times ranked	672 citing authors

#	Article	IF	Citations
1	Tumor Energy Metabolism and Potential of 3-Bromopyruvate as an Inhibitor of Aerobic Glycolysis: Implications in Tumor Treatment. Cancers, 2019, 11, 317.	3.7	119
2	The Potential of Lonidamine in Combination with Chemotherapy and Physical Therapy in Cancer Treatment. Cancers, 2020, 12, 3332.	3.7	53
3	QSAR and Classification Study on Prediction of Acute Oral Toxicity of N-Nitroso Compounds. International Journal of Molecular Sciences, 2018, 19, 3015.	4.1	42
4	Prediction on the mutagenicity of nitroaromatic compounds using quantum chemistry descriptors based QSAR and machine learning derived classification methods. Ecotoxicology and Environmental Safety, 2019, 186, 109822.	6.0	39
5	Quantitative Structure-Activity Relationship (QSAR) Studies on the Toxic Effects of Nitroaromatic Compounds (NACs): A Systematic Review. International Journal of Molecular Sciences, 2021, 22, 8557.	4.1	37
6	The specific role of O⁶-methylguanine-DNA methyltransferase inhibitors in cancer chemotherapy. Future Medicinal Chemistry, 2018, 10, 1971-1996.	2.3	33
7	In vivo toxicity of nitroaromatic compounds to rats: QSTR modelling and interspecies toxicity relationship with mouse. Journal of Hazardous Materials, 2020, 399, 122981.	12.4	31
8	Chemometric QSAR modeling of acute oral toxicity of Polycyclic Aromatic Hydrocarbons (PAHs) to rat using simple 2D descriptors and interspecies toxicity modeling with mouse. Ecotoxicology and Environmental Safety, 2021, 222, 112525.	6.0	31
9	In Silico Prediction of O6-Methylguanine-DNA Methyltransferase Inhibitory Potency of Base Analogs with QSAR and Machine Learning Methods. Molecules, 2018, 23, 2892.	3.8	26
10	3-Bromopyruvate regulates the status of glycolysis and BCNU sensitivity in human hepatocellular carcinoma cells. Biochemical Pharmacology, 2020, 177, 113988.	4.4	26
11	The potential of combi-molecules with DNA-damaging function as anticancer agents. Future Medicinal Chemistry, 2017, 9, 403-435.	2.3	24
12	Investigations on the Effect of O⁶-Benzylguanine on the Formation of dG-dC Interstrand Cross-Links Induced by Chloroethylnitrosoureas in Human Glioma Cells Using Stable Isotope Dilution High-Performance Liquid Chromatography Electrospray Ionization Tandem Mass Spectrometry. Chemical Research in Toxicology, 2014, 27, 1253-1262.	3.3	20
13	Synthesis and antitumor activity evaluation of a novel combi-nitrosourea prodrug: Designed to release a DNA cross-linking agent and an inhibitor of O6-alkylguanine-DNA alkyltransferase. Bioorganic and Medicinal Chemistry, 2016, 24, 2097-2107.	3.0	20
14	Identification of the Structural Features of Guanine Derivatives as MGMT Inhibitors Using 3D-QSAR Modeling Combined with Molecular Docking. Molecules, 2016, 21, 823.	3.8	18
15	Systematic QSAR and iQCCR modelling of fused/non-fused aromatic hydrocarbons (FNFAHs) carcinogenicity to rodents: reducing unnecessary chemical synthesis and animal testing. Green Chemistry, 2022, 24, 5304-5319.	9.0	17
16	Glycolytic inhibition by 3-bromopyruvate increases the cytotoxic effects of chloroethylnitrosoureas to human glioma cells and the DNA interstrand cross-links formation. Toxicology, 2020, 435, 152413.	4.2	13
17	Synthesis and Antitumor Activity Evaluation of a Novel Combi-nitrosourea Prodrug: BGCNU. ACS Medicinal Chemistry Letters, 2017, 8, 174-178.	2.8	11
18	Metabolic Activation and Carcinogenesis of Tobacco-Specific Nitrosamine Nâ€™-Nitrosonornicotine (NNN): A Density Function Theory and Molecular Docking Study. International Journal of Environmental Research and Public Health, 2019, 16, 178.	2.6	9

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19	2-Deoxy-D-glucose increases the sensitivity of glioblastoma cells to BCNU through the regulation of glycolysis, ROS and ERS pathways: In vitro and in vivo validation. Biochemical Pharmacology, 2022, 199, 115029.	4.4	9
20	NBGNU: a hypoxia-activated tripartite combi-nitrosourea prodrug overcoming AGT-mediated chemoresistance. Future Medicinal Chemistry, 2019, 11, 269-284.	2.3	8
21	Identification and Biological Evaluation of CK2 Allosteric Fragments through Structure-Based Virtual Screening. Molecules, 2020, 25, 237.	3.8	8
22	Measurement of O 6 -alkylguanine-DNA alkyltransferase activity in tumour cells using stable isotope dilution HPLC-ESIâ¿¿MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2016, 1033-1034, 138-146.	2.3	7
23	Influence of the Expression Level of O6-Alkylguanine-DNA Alkyltransferase on the Formation of DNA Interstrand Crosslinks Induced by Chloroethylnitrosoureas in Cells: A Quantitation Using High-Performance Liquid Chromatography-Mass Spectrometry. PLoS ONE, 2015, 10, e0121225.	2.5	6
24	Reductive Activity and Mechanism of Hypoxia- Targeted AGT Inhibitors: An Experimental and Theoretical Investigation. International Journal of Molecular Sciences, 2019, 20, 6308.	4.1	5
25	Development and biological evaluation of AzoBGNU: A novel hypoxia-activated DNA crosslinking prodrug with AGT-inhibitory activity. Biomedicine and Pharmacotherapy, 2021, 144, 112338.	5.6	5
26	Machine Learning Models for the Classification of CK2 Natural Products Inhibitors with Molecular Fingerprint Descriptors. Processes, 2021, 9, 2074.	2.8	5
27	Synergistic Effect between Human Papillomavirus 18 and 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone on Malignant Transformation of Immortalized SHEE Cells. Chemical Research in Toxicology, 2020, 33, 470-481.	3.3	3
28	The Study of Spatial Safety and Social Psychological Health Features of Deaf Children and Children with an Intellectual Disability in the Public School Environment Based on the Visual Access and Exposure (VAE) Model. International Journal of Environmental Research and Public Health, 2021, 18, 4322.	2.6	3
29	Logic Analysis of How the Emergency Management Legal System Used to Deal with Public Emerging Infectious Diseases under Balancing of Competing Interestsâ€"The Case of COVID-19. Healthcare (Switzerland), 2021, 9, 857.	2.0	3
30	Insights into the Impact of Linker Flexibility and Fragment Ionization on the Design of CK2 Allosteric Inhibitors: Comparative Molecular Dynamics Simulation Studies. International Journal of Molecular Sciences, 2018, 19, 111.	4.1	2
31	Chemopreventive Role of Apigenin against the Synergistic Carcinogenesis of Human Papillomavirus and 4-(Methylnitrosamino)-1-(3-pyridyl)-1-butanone. Biomedicines, 2020, 8, 472.	3.2	2
32	Identification of Pharmacophoric Fragments of DYRK1A Inhibitors Using Machine Learning Classification Models. Molecules, 2022, 27, 1753.	3.8	0