

Pengcheng Wang

List of Publications by Year in descending order

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36
papers

1,073
citations

516215

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docs citations

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times ranked

1488
citing authors

#	ARTICLE	IF	CITATIONS
1	Ratiometric fluorescence immunoassay based on MnO ₂ -phenylenediamine fluorescent carbon nanodots for the detection of α -fetoprotein via fluorescence resonance energy transfer. <i>New Journal of Chemistry</i> , 2022, 46, 1120-1126.	1.4	10
2	Regenerable and high-throughput surface plasmon resonance assay for rapid screening of anti-SARS-CoV-2 antibody in serum samples. <i>Analytica Chimica Acta</i> , 2022, 1208, 339830.	2.6	12
3	Mitochondrial Transcription Factor A Binds to and Promotes Mutagenic Transcriptional Bypass of O ⁴ -Alkylthymidine Lesions. <i>Analytical Chemistry</i> , 2021, 93, 1161-1169.	3.2	3
4	Ginnalin A Binds to the Subpockets of Keap1 Kelch Domain To Activate the Nrf2-Regulated Antioxidant Defense System in SH-SY5Y Cells. <i>ACS Chemical Neuroscience</i> , 2021, 12, 872-882.	1.7	15
5	Preferential Adsorption of Hydroxide Ions onto Partially Crystalline NiFe-Layered Double Hydroxides Leads to Efficient and Selective OER in Alkaline Seawater. <i>ACS Applied Energy Materials</i> , 2021, 4, 4630-4637.	2.5	67
6	Rapid and regenerable surface plasmon resonance determinations of biomarker concentration and biomolecular interaction based on tris-nitrilotriacetic acid chips. <i>Analytica Chimica Acta</i> , 2021, 1170, 338625.	2.6	10
7	A dual-modal colorimetric and photothermal assay for glutathione based on MnO ₂ nanosheets synthesized with eco-friendly materials. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 8443-8450.	1.9	8
8	Electrocatalytic oxygen and hydrogen evolution reactions at Ni ₃ B/Fe ₂ O ₃ nanotube arrays under visible light radiation. <i>Catalysis Science and Technology</i> , 2020, 10, 8305-8313.	2.1	2
9	N ⁶ -methyladenine in DNA antagonizes SATB1 in early development. <i>Nature</i> , 2020, 583, 625-630.	13.7	53
10	Detection and Discrimination of DNA Adducts Differing in Size, Regiochemistry, and Functional Group by Nanopore Sequencing. <i>Chemical Research in Toxicology</i> , 2020, 33, 2944-2952.	1.7	14
11	Boron enhances oxygen evolution reaction activity over Ni foam-supported iron boride nanowires. <i>Journal of Materials Chemistry A</i> , 2020, 8, 13638-13645.	5.2	61
12	Ginnalin A Inhibits Aggregation, Reverses Fibrillogenesis, and Alleviates Cytotoxicity of Amyloid β (1-42). <i>ACS Chemical Neuroscience</i> , 2020, 11, 638-647.	1.7	39
13	The roles of polymerases δ and ϵ in replicative bypass of O ⁶ - and N ² -alkyl-2-deoxyguanosine lesions in human cells. <i>Journal of Biological Chemistry</i> , 2020, 295, 4556-4562.	1.6	7
14	Immunoassay for Cardiac Troponin I with Fluorescent Signal Amplification by Hydrolyzed Coumarin Released from a Metal-Organic Framework. <i>ACS Applied Nano Materials</i> , 2019, 2, 7170-7177.	2.4	27
15	Repair and translesion synthesis of O ⁶ -alkylguanine DNA lesions in human cells. <i>Journal of Biological Chemistry</i> , 2019, 294, 11144-11153.	1.6	21
16	Norepinephrine-Fe(III)-ATP Ternary Complex and Its Relevance to Parkinson's Disease. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2777-2785.	1.7	4
17	DNA replication studies of N-nitroso compound-induced O ⁶ -alkyl-2-deoxyguanosine lesions in <i>Escherichia coli</i> . <i>Journal of Biological Chemistry</i> , 2019, 294, 3899-3908.	1.6	10
18	Cytotoxic and Mutagenic Properties of C ¹ and C ³ -Epimeric Lesions of 2-Deoxyribonucleosides in Human Cells. <i>ACS Chemical Biology</i> , 2019, 14, 478-485.	1.6	1

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19	Cytotoxic and mutagenic properties of minor-groove O2-alkylthymidine lesions in human cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 8638-8644.	1.6	15
20	An effector from the Huanglongbing-associated pathogen targets citrus proteases. <i>Nature Communications</i> , 2018, 9, 1718.	5.8	142
21	Chemical Analysis of DNA Damage. <i>Analytical Chemistry</i> , 2018, 90, 556-576.	3.2	56
22	Bypassing a 8,5- ϵ -cyclo-2- ϵ -deoxyadenosine lesion by human DNA polymerase β at atomic resolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10660-10665.	3.3	14
23	N-methyladenine DNA Modification in Glioblastoma. <i>Cell</i> , 2018, 175, 1228-1243.e20.	13.5	236
24	Impact of tobacco-specific nitrosamine-derived DNA adducts on the efficiency and fidelity of DNA replication in human cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 11100-11108.	1.6	29
25	Cytotoxic and mutagenic properties of O6-alkyl-2- ϵ -deoxyguanosine lesions in <i>Escherichia coli</i> cells. <i>Journal of Biological Chemistry</i> , 2018, 293, 15033-15042.	1.6	7
26	Photocatalytic degradation of norfloxacin on different TiO ₂ polymorphs under visible light in water. <i>RSC Advances</i> , 2017, 7, 45721-45732.	1.7	26
27	Cytotoxic and Mutagenic Properties of C3- ϵ -Epimeric Lesions of 2- ϵ -Deoxyribonucleosides in <i>Escherichia coli</i> Cells. <i>Biochemistry</i> , 2017, 56, 3725-3732.	1.2	4
28	Mechanism of DNA alkylation-induced transcriptional stalling, lesion bypass, and mutagenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7082-E7091.	3.3	31
29	Translesion synthesis of O ⁴ -alkylthymidine lesions in human cells. <i>Nucleic Acids Research</i> , 2016, 44, gkw662.	6.5	43
30	Replicative Bypass of O ² -Alkylthymidine Lesions <i>in Vitro</i> . <i>Chemical Research in Toxicology</i> , 2016, 29, 1755-1761.	1.7	8
31	Quantification of Azaserine-Induced Carboxymethylated and Methylated DNA Lesions in Cells by Nanoflow Liquid Chromatography-Nanoelectrospray Ionization Tandem Mass Spectrometry Coupled with the Stable Isotope-Dilution Method. <i>Analytical Chemistry</i> , 2016, 88, 8036-8042.	3.2	20
32	<i>In Vitro</i> Lesion Bypass Studies of O ⁴ -Alkylthymidines with Human DNA Polymerase β . <i>Chemical Research in Toxicology</i> , 2016, 29, 669-675.	1.7	10
33	Thiophene Oxidation and Reduction Chemistry. <i>Topics in Heterocyclic Chemistry</i> , 2014, , 227-293.	0.2	5
34	Identification and Structure-Activity Relationships of a Novel Series of Estrogen Receptor Ligands Based on 7-Thiabicyclo[2.2.1]hept-2-ene-7-oxide. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2324-2341.	2.9	36
35	Synthesis and structural features of chiral cyclic squaramides and their application in asymmetric catalytic reaction. <i>Arkivoc</i> , 2011, 2010, 322-335.	0.3	5
36	Novel bifunctional chiral squaramide-amine catalysts for highly enantioselective addition of mono and diketones to nitroalkenes. <i>Arkivoc</i> , 2011, 2011, 367-380.	0.3	22