

Qian Cao

List of Publications by Year in descending order

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44
papers

1,795
citations

304368

22
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276539

41
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docs citations

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times ranked

2444
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#	ARTICLE	IF	CITATIONS
1	A Carbonic Anhydrase IX (CAIX)-Anchored Rhenium(I) Photosensitizer Evokes Pyroptosis for Enhanced Anti-Tumor Immunity. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115800.	7.2	98
2	Innenr¼cktitelbild: A Carbonic Anhydrase IX (CAIX)-Anchored Rhenium(I) Photosensitizer Evokes Pyroptosis for Enhanced Anti-Tumor Immunity (<i>Angew. Chem.</i> 8/2022). <i>Angewandte Chemie</i> , 2022, 134, .	1.6	0
3	The design of cyclometalated iridium(<i>iii</i>)-metformin complexes for hypoxic cancer treatment. <i>Chemical Communications</i> , 2021, 57, 1093-1096.	2.2	11
4	A Polarity-Sensitive Ratiometric Fluorescence Probe for Monitoring Changes in Lipid Droplets and Nucleus during Ferroptosis. <i>Angewandte Chemie</i> , 2021, 133, 15222-15227.	1.6	11
5	A Polarity-Sensitive Ratiometric Fluorescence Probe for Monitoring Changes in Lipid Droplets and Nucleus during Ferroptosis. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 15095-15100.	7.2	182
6	Probing cell membrane damage using a molecular rotor probe with membrane-to-nucleus translocation. <i>Materials Horizons</i> , 2020, 7, 3226-3233.	6.4	34
7	Precisely Assembled Nanoparticles against Cisplatin Resistance via Cancer-Specific Targeting of Mitochondria and Imaging-Guided Chemo-Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 43444-43455.	4.0	33
8	CAIXplatins: Highly Potent Platinum(IV) Prodrugs Selective Against Carbonic Anhydrase-IX for the Treatment of Hypoxic Tumors. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 18556-18562.	7.2	94
9	Two novel fan-shaped trinuclear Pt(ii) complexes act as G-quadruplex binders and telomerase inhibitors. <i>Dalton Transactions</i> , 2020, 49, 9322-9329.	1.6	9
10	CAIXplatins: Highly Potent Platinum(IV) Prodrugs Selective Against Carbonic Anhydrase-IX for the Treatment of Hypoxic Tumors. <i>Angewandte Chemie</i> , 2020, 132, 18715-18721.	1.6	16
11	A halogen ion-selective phosphorescence turn-on probe based on induction of Pt-Pt interactions. <i>Chemical Communications</i> , 2019, 55, 11191-11194.	2.2	15
12	Charge-driven tripod somersault on DNA for ratiometric fluorescence imaging of small molecules in the nucleus. <i>Chemical Science</i> , 2019, 10, 10053-10064.	3.7	33
13	Nucleus-localized platinum-triphenylamine complexes as potent photodynamic anticancer agents. <i>Inorganic Chemistry Frontiers</i> , 2019, 6, 2817-2823.	3.0	13
14	Traceable in-cell synthesis and cytoplasm-to-nucleus translocation of a zinc Schiff base complex as a simple and economical anticancer strategy. <i>Chemical Communications</i> , 2019, 55, 7852-7855.	2.2	19
15	Multifunctional low-temperature photothermal nanodrug with in vivo clearance, ROS-Scavenging and anti-inflammatory abilities. <i>Biomaterials</i> , 2019, 216, 119280.	5.7	75
16	Cationic Organochalcogen with Monomer/Excimer Emissions for Dual-Color Live Cell Imaging and Cell Damage Diagnosis. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 13264-13273.	4.0	23
17	A self-assessed photosensitizer: inducing and dual-modal phosphorescence imaging of mitochondria oxidative stress. <i>Chemical Communications</i> , 2018, 54, 271-274.	2.2	26
18	Cancer-specific chemotherapeutic strategy based on the vitamin K3 mediated ROS regenerative feedback and visualized drug release in vivo. <i>Biomaterials</i> , 2018, 185, 73-85.	5.7	37

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19	Targeted reversal and phosphorescence lifetime imaging of cancer cell metabolism via a theranostic rhenium(I)-DCA conjugate. <i>Biomaterials</i> , 2018, 176, 94-105.	5.7	46
20	Three-in-One Self-Assembled Nanocarrier for Dual-Drug Delivery, Two-Photon Imaging, and Chemo-Photodynamic Synergistic Therapy. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 28301-28313.	4.0	27
21	Simultaneously Inducing and Tracking Cancer Cell Metabolism Repression by Mitochondria-Immobilized Rhenium(I) Complex. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 13900-13912.	4.0	78
22	Theranostic TEMPO-functionalized Ru(II) complexes as photosensitizers and oxidative stress indicators. <i>Dalton Transactions</i> , 2017, 46, 445-454.	1.6	24
23	A Platinum(II)-based Photosensitive Tripod as an Effective Photodynamic Anticancer Agent through DNA Damage. <i>Chemistry - A European Journal</i> , 2017, 23, 16442-16446.	1.7	25
24	G-quadruplex DNA targeted metal complexes acting as potential anticancer drugs. <i>Inorganic Chemistry Frontiers</i> , 2017, 4, 10-32.	3.0	216
25	A Nitroxide-Tagged Platinum(II) Complex Enables the Identification of a DNA G-Quadruplex Binding Mode. <i>Chemistry - A European Journal</i> , 2016, 22, 3405-3413.	1.7	10
26	Enantioselective Hydrolysis of Amino Acid Esters Promoted by Bis(β -cyclodextrin) Copper Complexes. <i>Scientific Reports</i> , 2016, 6, 22080.	1.6	14
27	Near infrared light-mediated photoactivation of cytotoxic Re(I) complexes by using lanthanide-doped upconversion nanoparticles. <i>Dalton Transactions</i> , 2016, 45, 14101-14108.	1.6	27
28	Trigeminal star-like platinum complexes induce cancer cell senescence through quadruplex-mediated telomere dysfunction. <i>Chemical Communications</i> , 2016, 52, 14101-14104.	2.2	20
29	Dual-Enzyme Characteristics of Polyvinylpyrrolidone-Capped Iridium Nanoparticles and Their Cellular Protective Effect against H ₂ O ₂ -Induced Oxidative Damage. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 8233-8242.	4.0	169
30	Identifying the existence of highly-fluorescent carboxylic group-rich carbon nanodots during a one-pot synthesis of branched polyethylenimine-passivated amine group-rich carbon nanodots. <i>RSC Advances</i> , 2015, 5, 40588-40594.	1.7	9
31	Platinum(II) clovers targeting G-quadruplexes and their anticancer activities. <i>Dalton Transactions</i> , 2015, 44, 50-53.	1.6	27
32	Interaction of Aromatic Compounds with Xenon: Spectroscopic and Computational Characterization for the Cases of <i>p</i> -Cresol and Toluene. <i>Journal of Physical Chemistry A</i> , 2015, 119, 2587-2593.	1.1	16
33	Study of picosecond processes of an intercalated dipyrrophenazine Cr(III) complex bound to defined sequence DNAs using transient absorption and time-resolved infrared methods. <i>Dalton Transactions</i> , 2014, 43, 17606-17609.	1.6	9
34	Non-covalent interactions of nitrous oxide with aromatic compounds: Spectroscopic and computational evidence for the formation of 1:1 complexes. <i>Journal of Chemical Physics</i> , 2014, 140, 144304.	1.2	10
35	Enhanced anti-cancer efficacy to cancer cells by doxorubicin loaded water-soluble amino acid-modified β -cyclodextrin platinum complexes. <i>Journal of Inorganic Biochemistry</i> , 2014, 137, 31-39.	1.5	10
36	Reaction of atomic hydrogen with formic acid. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5993.	1.3	20

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37	Stabilization of Human Telomeric G ⁴ Quadruplex and Inhibition of Telomerase Activity by Propeller-Shaped Trinuclear Pt(II) Complexes. <i>Chemistry - an Asian Journal</i> , 2014, 9, 2519-2526.	1.7	29
38	Spectroscopic and Computational Characterization of the HCO ⁺ ·H ₂ O Complex. <i>Journal of Physical Chemistry A</i> , 2013, 117, 4385-4393.	1.1	22
39	Interaction of phenol with xenon and nitrogen: Spectroscopic and computational characterization. <i>Journal of Chemical Physics</i> , 2012, 137, 134305.	1.2	18
40	Matrix-isolation and ab initio study of the complex between formic acid and xenon. <i>Journal of Molecular Structure</i> , 2012, 1025, 132-139.	1.8	14
41	Excited state dependent electron transfer of a rhenium-dipyridophenazine complex intercalated between the base pairs of DNA: a time-resolved UV-visible and IR absorption investigation into the photophysics of fac-[Re(CO) ₃ (F2dppz)(py)] ⁺ bound to either [poly(dA-dT)] ₂ or [poly(dG-dC)] ₂ . <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1355.	1.6	32
42	Ultra: A Unique Instrument for Time-Resolved Spectroscopy. <i>Applied Spectroscopy</i> , 2010, 64, 1311-1319.	1.2	173
43	Ultrafast time-resolved transient infrared and resonance Raman spectroscopic study of the photo-deprotection and rearrangement reactions of p-hydroxyphenacyl caged phosphates. <i>Faraday Discussions</i> , 0, 145, 171-183.	1.6	10
44	A Carbonic Anhydrase IX (CAIX)-Anchored Rhenium(I) Photosensitizer Evokes Pyroptosis for Enhanced Anti-Tumor Immunity. <i>Angewandte Chemie</i> , 0, , .	1.6	10