

Xicheng Liu

List of Publications by Year in descending order

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59
papers

2,120
citations

236925

25
h-index

243625

44
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docs citations

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times ranked

2768
citing authors

#	ARTICLE	IF	CITATIONS
1	Over 20% PCE perovskite solar cells with superior stability achieved by novel and low-cost hole-transporting materials. <i>Nano Energy</i> , 2017, 41, 469-475.	16.0	232
2	Highly fluorescent N-doped carbon dots with two-photon emission for ultrasensitive detection of tumor marker and visual monitor anticancer drug loading and delivery. <i>Chemical Engineering Journal</i> , 2019, 356, 994-1002.	12.7	162
3	Energy level tuning of TPB-based hole-transporting materials for highly efficient perovskite solar cells. <i>Chemical Communications</i> , 2014, 50, 15239-15242.	4.1	134
4	Impact of Peripheral Groups on Phenothiazine-Based Hole-Transporting Materials for Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2018, 3, 1145-1152.	17.4	125
5	A novel one-step synthesized and dopant-free hole transport material for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2016, 4, 16330-16334.	10.3	87
6	Dopant-free Donor (D)-D-A-D Conjugated Hole-Transport Materials for Efficient and Stable Perovskite Solar Cells. <i>ChemSusChem</i> , 2016, 9, 2578-2585.	6.8	83
7	Dopant-free star-shaped hole-transport materials for efficient and stable perovskite solar cells. <i>Dyes and Pigments</i> , 2017, 136, 273-277.	3.7	83
8	Mitochondria-targeted half-sandwich ruthenium(II) diimine complexes: anticancer and antimetastasis via ROS-mediated signalling. <i>Inorganic Chemistry Frontiers</i> , 2018, 5, 2100-2105.	6.0	72
9	Multifunctional fluorescent PEGylated fluorinated graphene for targeted drug delivery: An experiment and DFT study. <i>Dyes and Pigments</i> , 2019, 162, 573-582.	3.7	60
10	Hydride transfer initiated ring expansion of pyrrolidines toward highly functionalized tetrahydro-1-benzazepines. <i>Chemical Communications</i> , 2018, 54, 13833-13836.	4.1	57
11	Fluorescent COFs with a highly conjugated structure for visual drug loading and responsive release. <i>Chemical Communications</i> , 2020, 56, 519-522.	4.1	55
12	Highly Efficient Perovskite Solar Cells Utilizing Novel Low-Temperature Solution-Processed Hole Transport Materials with Linear Conjugated Structure. <i>Small</i> , 2016, 12, 4902-4908.	10.0	53
13	Imine-Heterocyclic Carbenes as Versatile Ligands in Ruthenium(II) Cymene Anticancer Complexes: A Structure-Activity Relationship Study. <i>Chemistry - an Asian Journal</i> , 2018, 13, 2923-2933.	3.3	43
14	Ferrocene-Appended Iridium(III) Complexes: Configuration Regulation, Anticancer Application, and Mechanism Research. <i>Inorganic Chemistry</i> , 2019, 58, 14175-14184.	4.0	43
15	Dopant-free and low-cost molecular hole-transporting materials for efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry C</i> , 2017, 5, 11429-11435.	5.5	40
16	Triphenylamine-Appended Half-Sandwich Iridium(III) Complexes and Their Biological Applications. <i>Chemistry - an Asian Journal</i> , 2018, 13, 1500-1509.	3.3	37
17	Lysosome-targeted iridium(III) compounds with pyridine-triphenylamine Schiff base ligands: syntheses, antitumor applications and mechanisms. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 91-100.	6.0	36
18	Fluorinated carbon fiber as a novel nanocarrier for cancer chemo-photothermal therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 6128-6137.	5.8	33

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19	Stable Perovskite Solar Cells based on Hydrophobic Triphenylamine Hole-Transport Materials. <i>Energy Technology</i> , 2017, 5, 312-320.	3.8	31
20	Half-sandwich Iridium(III) N-heterocyclic carbene antitumor complexes and biological applications. <i>Journal of Inorganic Biochemistry</i> , 2018, 189, 163-171.	3.5	31
21	Half-sandwich iridium(III) complexes with β -picolinic acid frameworks and antitumor applications. <i>Journal of Inorganic Biochemistry</i> , 2019, 192, 52-61.	3.5	31
22	Organocatalytic Dearomative [4 + 2] Cycloadditions of Biomass-Derived 2,5-Dimethylfuran with <i>ortho</i> -Quinone Methides: Access to Multisubstituted Chromanes. <i>Organic Letters</i> , 2018, 20, 6069-6073.	4.6	30
23	Half-sandwich Iridium(III) Benzimidazole-Appended Imidazolium-Based <i>N</i> -heterocyclic Carbene Complexes and Antitumor Application. <i>Chemistry - an Asian Journal</i> , 2018, 13, 3697-3705.	3.3	29
24	Half-sandwich Iridium(III) complexes with triphenylamine-substituted dipyrindine frameworks and bioactivity applications. <i>Dyes and Pigments</i> , 2019, 160, 217-226.	3.7	29
25	Smart on-off-on fluorescent switches for drug visual loading and responsive delivery. <i>Dyes and Pigments</i> , 2020, 173, 107893.	3.7	27
26	Novel iridium(III) iminopyridine complexes: synthetic, catalytic, and in vitro anticancer activity studies. <i>Journal of Biological Inorganic Chemistry</i> , 2018, 23, 819-832.	2.6	26
27	Efficient, Stable, Dopant-Free Hole-Transport Material with a Triphenylamine Core for $\text{CH}_3\text{NH}_3\text{PbI}_3$ Perovskite Solar Cells. <i>Energy Technology</i> , 2017, 5, 1173-1178.	3.8	25
28	Mesoporous TiO_2 Spheres as Advanced Anodes for Low-Cost, Safe, and High-Areal-Capacity Lithium-Ion Full Batteries. <i>ACS Applied Nano Materials</i> , 2020, 3, 1019-1027.	5.0	25
29	Fluorescent iridium(III) coumarin-salicylaldehyde Schiff base compounds as lysosome-targeted antitumor agents. <i>Dalton Transactions</i> , 2020, 49, 5988-5998.	3.3	25
30	Small molecular hole-transporting and emitting materials for hole-only green organic light-emitting devices. <i>Dyes and Pigments</i> , 2016, 131, 41-48.	3.7	22
31	Formal [4 + 2] Annulation of Oxindole-Embedded <i>ortho</i> -Quinone Methides with 1,3-Dicarbonyls: Synthesis of Spiro[Chromen-4,3'-Oxindole] Scaffolds. <i>Journal of Organic Chemistry</i> , 2019, 84, 3990-3999.	3.2	21
32	Synthesis, structural characterization and cytotoxic activity of triorganotin 5-(salicylideneamino)salicylates. <i>Applied Organometallic Chemistry</i> , 2019, 33, e4715.	3.5	20
33	Ferrocenyl-Triphenyltin Complexes as Lysosome-Targeted Imaging and Anticancer Agents. <i>Inorganic Chemistry</i> , 2019, 58, 1710-1718.	4.0	20
34	Metastable interface biomimetic synthesis of a smart nanosystem for enhanced starvation/gas therapy. <i>Journal of Colloid and Interface Science</i> , 2021, 599, 149-157.	9.4	20
35	Dopant-Free Hole-Transport Material with a Tetraphenylethene Core for Efficient Perovskite Solar Cells. <i>Energy Technology</i> , 2017, 5, 1257-1264.	3.8	19
36	Serendipitous Synthesis of Five-Coordinated Half-Sandwich Aminoimine Iridium(III) and Ruthenium(II) Complexes and Their Application as Potent Anticancer Agents. <i>Inorganic Chemistry</i> , 2019, 58, 5956-5965.	4.0	18

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37	Triphenylamine/carbazole-modified ruthenium(II) Schiff base compounds: synthesis, biological activity and organelle targeting. Dalton Transactions, 2020, 49, 8774-8784.	3.3	18
38	Dearomative [4+2] Cycloaddition of Oxindole-Ortho-Quinone Methides with 2,5-Dialkylfurans. Advanced Synthesis and Catalysis, 2019, 361, 1453-1458.	4.3	17
39	Dual functions of iridium(III) 2-phenylpyridine complexes: Metastasis inhibition and lysosomal damage. Journal of Inorganic Biochemistry, 2020, 205, 110983.	3.5	17
40	Lysosome-targeted chemotherapeutics: Anticancer mechanism of N-heterocyclic carbene iridium(III) complex. Journal of Inorganic Biochemistry, 2020, 207, 111063.	3.5	17
41	Triphenylamine-appended cyclometallated iridium(III) complexes: Preparation, photophysical properties and application in biology/luminescence imaging. Journal of Inorganic Biochemistry, 2019, 199, 110757.	3.5	16
42	Triphenyltin(IV) acylhydrazone compounds: Synthesis, structure and bioactivity. Journal of Inorganic Biochemistry, 2019, 191, 194-202.	3.5	15
43	Preparation and the anticancer mechanism of configuration-controlled Fe(II)-Ir(III) heteronuclear metal complexes. Dalton Transactions, 2020, 49, 12599-12609.	3.3	14
44	In Vitro and In Vivo of Triphenylamine-Appended Fluorescent Half-Sandwich Iridium(III) Thiosemicarbazones Antitumor Complexes. Inorganic Chemistry, 2021, 60, 17063-17073.	4.0	14
45	Film-forming hole transporting materials for high brightness flexible organic light-emitting diodes. Dyes and Pigments, 2016, 125, 36-43.	3.7	13
46	New Organometallic Tetraphenylethylene-Iridium(III) Complexes with Antineoplastic Activity. ChemBioChem, 2019, 20, 2767-2776.	2.6	12
47	Synthesis, structural characterization, and properties of triorganotin complexes of Schiff base derived from 3-aminobenzoic acid and salicylaldehyde or 2,4-pentanedione. Applied Organometallic Chemistry, 2020, 34, e5790.	3.5	11
48	Fluorescence Turn-off Magnetic Fluorinated Graphene Composite with High NIR Absorption for Targeted Drug Delivery. ChemNanoMat, 2021, 7, 71-77.	2.8	11
49	Half-sandwich Ruthenium (II) complexes with triphenylamine modified dipyridine skeleton and application in biology/luminescence imaging. Applied Organometallic Chemistry, 2019, 33, e5171.	3.5	10
50	Imidazole and Benzimidazole Modified Half-Sandwich Iridium(III)-Heterocyclic Carbene Complexes: Synthesis, Anticancer Application, and Organelle Targeting. Frontiers in Chemistry, 2020, 8, 182.	3.6	10
51	An AIE-featured triphenyltin(IV)-triphenylamine acylhydrazone compound and anticancer application. Dyes and Pigments, 2022, 201, 110231.	3.7	7
52	Cyclometalated iridium(III) dithioformic acid complexes as mitochondria-targeted imaging and anticancer agents. Journal of Inorganic Biochemistry, 2022, 233, 111855.	3.5	7
53	Boosting the Stability of Perovskite Solar Cells through a Dopant-Free Tetraphenylbenzidine-Based Hole Transporting Material. ChemistrySelect, 2018, 3, 13032-13037.	1.5	6
54	Synthesis of novel s-triazine/carbazole based bipolar molecules and their application in phosphorescent OLEDs. Journal of Materials Science: Materials in Electronics, 2015, 26, 6563-6571.	2.2	4

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55	Triphenylamine and carbazole-modified iridium(III)-phenylpyridine complexes: Synthesis, anticancer application and targeted research . Applied Organometallic Chemistry, 2019, 33, e5053.	3.5	4
56	Preparation and Bioactivity of Iridium(III) Phenanthroline Complexes with Halide Ions and Pyridine Leaving Groups . ChemBioChem, 2021, 22, 557-564.	2.6	4
57	Preparation and antitumor application of N-phenylcarbazole/triphenylamine-modified fluorescent half-sandwich iridium(III) Schiff base complexes . Dalton Transactions, 2021, 50, 15888-15899.	3.3	4
58	Lysosomal Targeted Cyclometallic Iridium(III) Salicylaldehyde-Coumarin Schiff Base Complexes and Anticancer Application . Frontiers in Chemistry, 2022, 10, .	3.6	4
59	[(η^5-pentamethylcyclopentadienyl)(3-fluoro-N-methylbenzylamine-δ^1,N)dichlorido]iridium(III) . MolBank, 2018, 2018, M999.	0.5	1