

Man-Chung Tang

List of Publications by Year in descending order

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35
papers

1,464
citations

331670

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345221

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times ranked

1233
citing authors

#	ARTICLE	IF	CITATIONS
1	Dendritic Luminescent Gold(III) Complexes for Highly Efficient Solution-Processable Organic Light-Emitting Devices. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 446-449.	13.8	142
2	Strategies towards rational design of gold(III) complexes for high-performance organic light-emitting devices. <i>Nature Photonics</i> , 2019, 13, 185-191.	31.4	118
3	Bipolar Gold(III) Complexes for Solution-Processable Organic Light-Emitting Devices with a Small Efficiency Roll-Off. <i>Journal of the American Chemical Society</i> , 2014, 136, 17861-17868.	13.7	100
4	Molecular Design of Luminescent Gold(III) Emitters as Thermally Evaporable and Solution-Processable Organic Light-Emitting Device (OLED) Materials. <i>Chemical Reviews</i> , 2021, 121, 7249-7279.	47.7	100
5	Platinum and Gold Complexes for OLEDs. <i>Topics in Current Chemistry</i> , 2016, 374, 46.	5.8	89
6	Realization of Thermally Stimulated Delayed Phosphorescence in Arylgold(III) Complexes and Efficient Gold(III) Based Blue-Emitting Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2018, 140, 13115-13124.	13.7	84
7	Versatile Design Strategy for Highly Luminescent Vacuum-Evaporable and Solution-Processable Tridentate Gold(III) Complexes with Monoaryl Auxiliary Ligands and Their Applications for Phosphorescent Organic Light Emitting Devices. <i>Journal of the American Chemical Society</i> , 2017, 139, 9341-9349.	13.7	76
8	Strategy for the Realization of Efficient Solution-Processable Phosphorescent Organic Light-Emitting Devices: Design and Synthesis of Bipolar Alkynylplatinum(II) Complexes. <i>Journal of the American Chemical Society</i> , 2017, 139, 6351-6362.	13.7	73
9	Design Strategy for High-Performance Dendritic Carbazole-Containing Alkynylplatinum(II) Complexes and Their Application in Solution-Processable Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2016, 138, 6281-6291.	13.7	72
10	Saturated Red-Emitting Gold(III) Triphenylamine Dendrimers for Solution-Processable Organic Light-Emitting Devices. <i>Chemistry - A European Journal</i> , 2014, 20, 15233-15241.	3.3	52
11	Toward the Design of Phosphorescent Emitters of Cyclometalated Earth-Abundant Nickel(II) and Their Supramolecular Study. <i>Journal of the American Chemical Society</i> , 2020, 142, 7638-7646.	13.7	51
12	Sky-Blue-Emitting Dendritic Alkynylgold(III) Complexes for Solution-Processable Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2017, 139, 10539-10550.	13.7	47
13	Thermally Stimulated Delayed Phosphorescence (TSDP)-Based Gold(III) Complexes of Tridentate Pyrazine-Containing Pincer Ligand with Wide Emission Color Tunability and Their Application in Organic Light-Emitting Devices. <i>Journal of the American Chemical Society</i> , 2020, 142, 2448-2459.	13.7	46
14	Highly Emissive Fused Heterocyclic Alkynylgold(III) Complexes for Multiple Color Emission Spanning from Green to Red for Solution-Processable Organic Light-Emitting Devices. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5463-5466.	13.8	44
15	Highly luminescent phosphine oxide-containing bipolar alkynylgold(III) complexes for solution-processable organic light-emitting devices with small efficiency roll-offs. <i>Chemical Science</i> , 2018, 9, 6228-6232.	7.4	34
16	Isomeric Tetradentate Ligand-Containing Cyclometalated Gold(III) Complexes. <i>Journal of the American Chemical Society</i> , 2020, 142, 520-529.	13.7	33
17	Design Strategy Towards Horizontally Oriented Luminescent Tetradentate Ligand-Containing Gold(III) Systems. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21023-21031.	13.8	27
18	One-Pot Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons via 1,4-Boron Migration. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 2833-2838.	13.8	27

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19	Rational molecular design for realizing high performance sky-blue-emitting gold(ⁱⁱⁱ) complexes with monoaryl auxiliary ligands and their applications for both solution-processable and vacuum-deposited organic light-emitting devices. <i>Chemical Science</i> , 2019, 10, 594-605.	7.4	26
20	Judicious Choice of N-Heterocycles for the Realization of Sky-Blue to Green-Emitting Carbazolylgold(III) C [^] C [^] N Complexes and Their Applications for Organic Light-Emitting Devices. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 9684-9692.	13.8	23
21	Rational Design Strategy for the Realization of Red- to Near-Infrared-Emitting Alkynylgold(III) Complexes and Their Applications in Solution-Processable Organic Light-Emitting Devices. <i>Chemistry of Materials</i> , 2019, 31, 6706-6714.	6.7	20
22	Fine Emission Tuning from Near-Ultraviolet to Saturated Blue with Rationally Designed Carbene-Based [3 + 2 + 1] Iridium(III) Complexes. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 1546-1556.	8.0	20
23	One-Pot Synthesis of Boron-Doped Polycyclic Aromatic Hydrocarbons via 1,4-Boron Migration. <i>Angewandte Chemie</i> , 2021, 133, 2869-2874.	2.0	17
24	Highly efficient carbazolylgold(ⁱⁱⁱ) dendrimers based on thermally activated delayed fluorescence and their application in solution-processed organic light-emitting devices. <i>Chemical Science</i> , 2021, 12, 14833-14844.	7.4	14
25	Molecular design of efficient yellow- to red-emissive alkynylgold(ⁱⁱⁱ) complexes for the realization of thermally activated delayed fluorescence (TADF) and their applications in solution-processed organic light-emitting devices. <i>Chemical Science</i> , 2021, 12, 9516-9527.	7.4	13
26	Design and synthesis of yellow- to red-emitting gold(ⁱⁱⁱ) complexes containing isomeric thienopyridine and thienoquinoline moieties and their applications in operationally stable organic light-emitting devices. <i>Materials Horizons</i> , 2022, 9, 281-293.	12.2	12
27	A new class of gold(ⁱⁱⁱ) complexes with saturated poly(benzyl ether) dendrons for solution-processable blue-green-emitting organic light-emitting devices. <i>Materials Chemistry Frontiers</i> , 2017, 1, 2559-2568.	5.9	11
28	Highly Emissive Fused Heterocyclic Alkynylgold(III) Complexes for Multiple Color Emission Spanning from Green to Red for Solution-Processable Organic Light-Emitting Devices. <i>Angewandte Chemie</i> , 2018, 130, 5561-5564.	2.0	10
29	Low Efficiency Roll-Off Blue Phosphorescent OLEDs at High Brightness Based on [3+2+1]-Coordinated Iridium (III) Complexes. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	10
30	Green-emitting dendritic alkynylgold(ⁱⁱⁱ) complexes with excellent film morphologies for applications in solution-processable organic light-emitting devices. <i>Chemical Communications</i> , 2019, 55, 13844-13847.	4.1	7
31	High performance gold(ⁱⁱⁱ)-based white organic light-emitting devices with extremely small efficiency roll-off. <i>Journal of Materials Chemistry C</i> , 2019, 7, 8457-8464.	5.5	6
32	Judicious Choice of N-Heterocycles for the Realization of Sky-Blue to Green-Emitting Carbazolylgold(III) C [^] C [^] N Complexes and Their Applications for Organic Light-Emitting Devices. <i>Angewandte Chemie</i> , 2020, 132, 9771-9779.	2.0	6
33	Design Strategy Towards Horizontally Oriented Luminescent Tetradentate-Ligand-Containing Gold(III) Systems. <i>Angewandte Chemie</i> , 2020, 132, 21209-21217.	2.0	4
34	Incorporation of Fluorene and Its Heterocyclic Spiro Derivatives To Realize High-Performance and Stable Sky-Blue-Emitting Arylgold(III) Complexes. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 57673-57683.	8.0	3
35	Solution-processable cyclometalated gold(III) complexes for high-brightness phosphorescent white organic light-emitting devices. <i>Journal of Materials Science</i> , 2020, 55, 9686-9694.	3.7	2