

# Matteo Mauro

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/666816/publications.pdf>

Version: 2024-02-01

71  
papers

3,403  
citations

159358

30  
h-index

143772

57  
g-index

77  
all docs

77  
docs citations

77  
times ranked

4237  
citing authors

#	ARTICLE	IF	CITATIONS
1	Controlling and imaging biomimetic self-assembly. <i>Nature Chemistry</i> , 2016, 8, 10-15.	6.6	460
2	When self-assembly meets biology: luminescent platinum complexes for imaging applications. <i>Chemical Society Reviews</i> , 2014, 43, 4144-4166.	18.7	297
3	Deep-Blue-Emitting Heteroleptic Iridium(III) Complexes Suited for Highly Efficient Phosphorescent OLEDs. <i>Chemistry of Materials</i> , 2012, 24, 3684-3695.	3.2	198
4	Recent Advances in Phosphorescent Pt(II) Complexes Featuring Metallophilic Interactions: Properties and Applications. <i>Chemistry Letters</i> , 2015, 44, 1152-1169.	0.7	185
5	Recent advances in phosphorescent platinum complexes for organic light-emitting diodes. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1459-1481.	1.3	127
6	Highly Emitting Concomitant Polymorphic Crystals of a Dinuclear Rhenium Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 14397-14399.	6.6	109
7	Mechano- and Photochromism from Bulk to Nanoscale: Data Storage on Individual Self-Assembled Ribbons. <i>Advanced Functional Materials</i> , 2016, 26, 5271-5278.	7.8	109
8	Light-Powered Self-Healable Metallosupramolecular Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 1313-1317.	7.2	101
9	Controlling Aggregation in Highly Emissive Pt(II) Complexes Bearing Tridentate Dianionic N <sup>3-</sup> N Ligands. Synthesis, Photophysics, and Electroluminescence. <i>Chemistry of Materials</i> , 2011, 23, 3659-3667.	3.2	100
10	Luminescent Neutral Platinum Complexes Bearing an Asymmetric N <sup>3-</sup> N Ligand for High-Performance Solution-Processed OLEDs. <i>Advanced Materials</i> , 2013, 25, 437-442.	11.1	95
11	Efficient Near-UV Emitters Based on Cationic Bis-Pincer Iridium(III) Carbene Complexes. <i>Inorganic Chemistry</i> , 2013, 52, 10756-10765.	1.9	89
12	Highly Emitting Neutral Dinuclear Rhenium Complexes as Phosphorescent Dopants for Electroluminescent Devices. <i>Advanced Functional Materials</i> , 2009, 19, 2607-2614.	7.8	88
13	Self-assembly of a neutral platinum( <sup>II</sup> ) complex into highly emitting microcrystalline fibers through metallophilic interactions. <i>Chemical Communications</i> , 2014, 50, 7269-7272.	2.2	86
14	Luminescent dinuclear rhenium(I) complexes containing bridging 1,2-diazine ligands: Photophysical properties and application. <i>Coordination Chemistry Reviews</i> , 2012, 256, 1621-1643.	9.5	79
15	Complex Iridium(III) Salts: Luminescent Porous Crystalline Materials. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1222-1226.	7.2	75
16	Photofunctional Nanomodulators for Bioexcitation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 13121-13125.	7.2	72
17	A New Class of Luminescent Tricarbonyl Rhenium(I) Complexes Containing Bridging 1,2-Diazine Ligands: Electrochemical, Photophysical, and Computational Characterization. <i>Inorganic Chemistry</i> , 2008, 47, 4243-4255.	1.9	66
18	Phosphorescent Organic Light-Emitting Diodes with Outstanding External Quantum Efficiency using Dinuclear Rhenium Complexes as Dopants. <i>Advanced Materials</i> , 2012, 24, 2054-2058.	11.1	65

#	ARTICLE	IF	CITATIONS
19	Bio-imaging with neutral luminescent Pt( <sup>II</sup> ) complexes showing metal-metal interactions. RSC Advances, 2014, 4, 25709-25718.	1.7	64
20	Aggregation induced colour change for phosphorescent iridium(III) complex-based anionic surfactants. Dalton Transactions, 2011, 40, 12106.	1.6	59
21	A Bis(Diphosphanyl N-Heterocyclic Carbene) Gold Complex: A Synthon for Luminescent Rigid AuAg <sub>2</sub> Arrays and Au <sub>5</sub> and Cu <sub>6</sub> Double Arrays. Angewandte Chemie - International Edition, 2016, 55, 3338-3341.	7.2	52
22	Neutral N <sup>C</sup> N terdentate luminescent Pt( <sup>II</sup> ) complexes: their synthesis, photophysical properties, and bio-imaging applications. Dalton Transactions, 2015, 44, 8478-8487.	1.6	50
23	Bonding, Luminescence, Metallophilicity in Linear Au <sub>3</sub> and Au <sub>2</sub> Ag Chains Stabilized by Rigid Diphosphanyl NHC Ligands. Inorganic Chemistry, 2016, 55, 8527-8542.	1.9	47
24	Tridentate Complexes of Group 10 Bearing Bis-Aryloxy N-Heterocyclic Carbene Ligands: Synthesis, Structural, Spectroscopic, and Computational Characterization. Organometallics, 2014, 33, 4374-4384.	1.1	45
25	Highly efficient blue and deep-blue emitting zwitterionic iridium(III) complexes: synthesis, photophysics and electroluminescence. Journal of Materials Chemistry C, 2014, 2, 2569.	2.7	42
26	Gel-based soft actuators driven by light. Journal of Materials Chemistry B, 2019, 7, 4234-4242.	2.9	40
27	Phosphorescent Tris-Bidentate Ir <sup>III</sup> Complexes with N-Heterocyclic Carbene Scaffolds: Structural Diversity and Optical Properties. European Journal of Inorganic Chemistry, 2020, 2020, 3427-3442.	1.0	39
28	Glyco-functionalized dinuclear rhenium( <sup>I</sup> ) complexes for cell imaging. Organic and Biomolecular Chemistry, 2017, 15, 1686-1699.	1.5	38
29	Nanopatterning of Surfaces with Monometallic and Heterobimetallic 1D Coordination Polymers: A Molecular Tectonics Approach at the Solid/Liquid Interface. Journal of the American Chemical Society, 2015, 137, 8450-8459.	6.6	32
30	Light-Powered Self-Healable Metallosupramolecular Soft Actuators. Angewandte Chemie, 2016, 128, 1335-1339.	1.6	30
31	Control of the light-response in supramolecular metallopolymeric gels by tuning the coordination metal. Chemical Communications, 2017, 53, 8344-8347.	2.2	30
32	Dynamic Metal-Ligand Bonds as Scaffolds for Autonomously Healing Multi-Responsive Materials. European Journal of Inorganic Chemistry, 2018, 2018, 2090-2100.	1.0	29
33	Metal-Containing Polymers as Light-Emitting and Light-Responsive Materials and Beyond. Chemistry - A European Journal, 2017, 23, 17626-17636.	1.7	27
34	Amphiphilic Metallopolymers for Photoswitchable Supramolecular Hydrogels. Chemistry - A European Journal, 2016, 22, 18718-18721.	1.7	25
35	Photophysics of soft and hard molecular assemblies based on luminescent complexes. Advances in Inorganic Chemistry, 2011, 63, 47-103.	0.4	24
36	Aggregation-Induced Phosphorescence Enhancement in Ir <sup>III</sup> Complexes. Israel Journal of Chemistry, 2018, 58, 901-914.	1.0	20

#	ARTICLE	IF	CITATIONS
37	Phosphorescent multinuclear complexes for optoelectronics: tuning of the excited-state dynamics. <i>Chemical Communications</i> , 2021, 57, 5857-5870.	2.2	20
38	Luminescent supramolecular soft nanostructures from amphiphilic dinuclear Re( <i>scpi</i> ) complexes. <i>Nanoscale</i> , 2015, 7, 12000-12009.	2.8	19
39	Chiral Amplification by Self-Assembly of Neutral Luminescent Platinum(II) Complexes. <i>Chemistry - A European Journal</i> , 2017, 23, 5957-5961.	1.7	19
40	Dual Emission of a Cyclic Hexanuclear Gold(I) Complex. Interplay between Au <sub>3</sub> and Au <sub>2</sub> Ligand-Supported Luminophores. <i>Journal of Physical Chemistry C</i> , 2019, 123, 915-921.	1.5	19
41	Light-Induced Contraction/Expansion of 1D Photoswitchable Metallopolymer Monitored at the Solid-Liquid Interface. <i>Small</i> , 2017, 13, 1701790.	5.2	18
42	Tricarbonyl Rhenium(I) Complexes Containing a Bridging 2,5-Diphenyl-1,3,4-oxadiazole Ligand: Structural, Spectroscopic, Electrochemical, and Computational Characterization. <i>Inorganic Chemistry</i> , 2008, 47, 11154-11165.	1.9	17
43	Copper(I) complexes with remotely functionalized phosphine ligands: Synthesis, structural variety, photophysics and effect onto the optical properties. <i>Inorganica Chimica Acta</i> , 2021, 514, 119971.	1.2	16
44	Highly Emissive Red Heterobimetallic Ir <sup>III</sup> /M <sup>I</sup> (M = Cu) Tj ETQq0 0 0 rgBT /Overlock Materials, 2022, 34, 1756-1769.	3.2	16
45	Unraveling Orbital Hybridization of Triplet Emitters at the Metal-Organic Interface. <i>Physical Review Letters</i> , 2013, 111, 267401.	2.9	15
46	Red-emitting neutral rhenium( <i>scpi</i> ) complexes bearing a pyridyl pyridoannulated N-heterocyclic carbene. <i>Dalton Transactions</i> , 2020, 49, 3102-3111.	1.6	12
47	Symmetrical or non-symmetrical luminescent turnstiles based on hydroquinone stators and rotors bearing pyridyl or p-dimethylaminopyridyl coordinating units. <i>Dalton Transactions</i> , 2017, 46, 14897-14906.	1.6	11
48	A Bis(Diphosphanyl N-Heterocyclic Carbene) Gold Complex: A Synthron for Luminescent Rigid AuAg <sub>2</sub> Arrays and Au <sub>5</sub> and Cu <sub>6</sub> Double Arrays. <i>Angewandte Chemie</i> , 2016, 128, 3399-3402.	1.6	10
49	Tridentate Complexes of Palladium(II) and Platinum(II) Bearing <i>bis</i> -Aryloxy Triazole Ligands: A Joint Experimental and Theoretical Investigation. <i>Chemistry - an Asian Journal</i> , 2015, 10, 2368-2379.	1.7	9
50	Structure-Photoluminescence Quenching Relationships of Iridium(III)-Tris(phenylpyridine) Complexes. <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1025-1037.	1.0	8
51	Synthesis, Structure, and Optical Properties of Pt(II) and Pd(II) Complexes with Oxazolyl- and Pyridyl-Functionalized DPPM-Type Ligands: A Combined Experimental and Theoretical Study. <i>Inorganic Chemistry</i> , 2014, 53, 12739-12756.	1.9	8
52	Unusual stability of dyads during photochemical hydrogen production. <i>Dalton Transactions</i> , 2015, 44, 20936-20948.	1.6	8
53	β-Lactam Bioconjugates Bearing Luminescent Platinum(II) Tags: Synthesis and Photophysical Characterization. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7113-7121.	1.2	6
54	A pyridyl-benzimidazole based molecular luminescent turnstile. <i>New Journal of Chemistry</i> , 2018, 42, 7810-7815.	1.4	6

#	ARTICLE	IF	CITATIONS
55	Rhenium(I) N-Heterocyclic Carbene Complexes in Photoinitiating Systems for Polymerization upon Visible Light: Development of Photosensitive Resins for 3D and 4D Applications. ACS Applied Polymer Materials, 2021, 3, 464-473.	2.0	6
56	Metallopolymers as Nanostructured Solid-State Platforms for Electrochemiluminescence Applications. ChemElectroChem, 2019, 6, 5790-5796.	1.7	5
57	UV-light-induced polymerization in the amorphous solid-state of a spontaneously non-polymerizing 3-phenylbenzofulvene monomer. European Polymer Journal, 2020, 137, 109923.	2.6	4
58	Phosphorescent Cationic Heterodinuclear Ir <sup>III</sup> /M <sup>I</sup> Complexes (M=Cu <sup>I</sup> , Au <sup>I</sup> ) with a Hybrid Janus-Type N-Heterocyclic Carbene Bridge. Chemistry - A European Journal, 2020, 26, 11751-11766.	1.7	4
59	Cubane Cu <sub>4</sub> (phosphine) <sub>4</sub> complexes as new co-initiators for free radical photopolymerization: towards aromatic amine-free systems. Polymer Chemistry, 2021, 12, 2848-2859.	1.9	4
60	A stable and photoreactive copper iodide cubane suitable for direct post-functionalization.. European Journal of Inorganic Chemistry, 0, , .	1.0	4
61	Ir <sup>III</sup> -Pyridoannulated N-Heterocyclic Carbene Complexes: Potent Theranostic Agents via Mitochondria Targeting. European Journal of Inorganic Chemistry, 2021, 2021, 1551-1564.	1.0	3
62	Cationic rhenium(I) complexes bearing a $\pi$ -accepting pyridoannulated N-heterocyclic carbene ligand: Synthesis, photophysical, electrochemical and theoretical investigation. Polyhedron, 2021, 197, 115025.	1.0	3
63	Synthesis and UV-light induced oligomerization of a benzofulvene-based neutral platinum(II) complex. European Polymer Journal, 2021, 156, 110597.	2.6	3
64	Spontaneous polymerization of benzofulvene derivatives bearing complexed or un-complexed pyridine rings. European Polymer Journal, 2022, 169, 111137.	2.6	3
65	Luminescence sensing and imaging: general discussion. Faraday Discussions, 2015, 185, 311-335.	1.6	2
66	Self-organization of photo-active nanostructures: general discussion. Faraday Discussions, 2015, 185, 529-548.	1.6	2
67	Hydrogen bonded networks based on hexarhenium( <sup>III</sup> ) chalcocyanide cluster complexes: structural and photophysical characterization. New Journal of Chemistry, 2018, 42, 11888-11895.	1.4	2
68	The Motion of an Azobenzene Light-Controlled Switch: A Joint Theoretical and Experimental Approach. ChemSystemsChem, 2019, 1, e1900003.	1.1	2
69	Spin-crossover in iron(II)-phenylene ethynylene-2,6-di(pyrazol-1-yl) pyridine hybrids: toward switchable molecular wire-like architectures. Journal of Physics Condensed Matter, 2020, 32, 204002.	0.7	2
70	Electroluminescence: (Highly Emitting Neutral Dinuclear Rhenium Complexes as Phosphorescent) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 2009, 19, NA-NA.	7.8	1
71	Frontispiece: Metal-Containing Polymers as Light-Emitting and Light-Responsive Materials and Beyond. Chemistry - A European Journal, 2017, 23, .	1.7	0