Massimiliano Massi

List of Publications by Year
in descending order

113	2,668	172386	223716
papers	citations	29 h-index	46 g-index

119	119	119	3551
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Metal complexes as a promising source for new antibiotics. Chemical Science, 2020, 11, 2627-2639.	3.7	290
2	Cyclometalated iridium(III) complexes for life science. Coordination Chemistry Reviews, 2018, 363, 71-91.	9.5	181
3	New tetrazole-based Cu(<scp>i</scp>) homo- and heteroleptic complexes with various P^P ligands: synthesis, characterization, redox and photophysical properties. Dalton Transactions, 2013, 42, 997-1010.	1.6	103
4	Templated assembly of a Âµ6-CO32â€“ dodecanuclear lanthanum dibenzoylmethanide hydroxido cluster with concomitant formation of phenylglyoxylate. Dalton Transactions, 2007, , 5651.	1.6	88
5	Metal-based antitumor compounds: beyond cisplatin. Future Medicinal Chemistry, 2019, 11, 119-135.	1.1	84
6	Synthesis, Structural, and Photophysical Investigation of Diimine Triscarbonyl Re(I) Tetrazolato Complexes.. Inorganic Chemistry, 2011, 50, 1229-1241.	1.9	74
7	Formation of Ho^{III} Trinuclear Clusters and Gd^{III} Monodimensional Polymers Induced by ortho and para Regioisomers of Pyridylâ€Functionalised Î²â€Diketones: Synthesis, Structure, and Magnetic Properties. European Journal of Inorganic Chemistry, 2009, 2009, 744-751.	1.0	60
8	N-Heterocyclic carbenes as Ï€*-acceptors in luminescent Re(i) triscarbonyl complexes. Dalton Transactions, 2011, 40, 11960.	1.6	55
9	Investigating Intracellular Localisation and Cytotoxicity Trends for Neutral and Cationic Iridium Tetrazolato Complexes in Live Cells. Chemistry - A European Journal, 2017, 23, 15666-15679.	1.7	53
10	Defining the Antiâ€Cancer Activity of Tricarbonyl Rhenium Complexes: Induction of G2/M Cell Cycle Arrest and Blockade of Auroraâ€A Kinase Phosphorylation. Chemistry - A European Journal, 2017, 23, 6518-6521.	1.7	52
11	The photochemistry of rhenium(i) tricarbonyl N-heterocyclic carbene complexes. Dalton Transactions, 2013, 42, 14100.	1.6	50
12	Lanthanoid â€œBottlebrushâ€•Clusters: Remarkably Elongated Metalâ€“Oxo Core Structures with Controllable Lengths. Journal of the American Chemical Society, 2014, 136, 15122-15125.	6.6	48
13	Modulation of the organelle specificity in Re(<scp>i</scp>) tetrazolato complexes leads to labeling of lipid droplets. RSC Advances, 2014, 4, 16345-16351.	1.7	48
14	Photophysical and Photochemical Trends in Tricarbonyl Rhenium(I) N-Heterocyclic Carbene Complexes. Inorganic Chemistry, 2014, 53, 3629-3641.	1.9	48
15	Variation of structural motifs in lanthanoid hydroxo clusters by ligand modification. New Journal of Chemistry, 2013, 37, 35-48.	1.4	47
16	Synthesis and characterization of homo- and heterovalent tetra- hexa- hepta- and decanuclear manganese clusters using pyridyl functionalized Î²-diketone, carboxylate and triethanolamine ligands. Dalton Transactions, 2010, 39, 7236.	1.6	43
17	Luminescent lanthanoid complexes of a tetrazole-functionalised calix[4]arene. Dalton Transactions, 2012, 41, 4736.	1.6	40
18	Lanthanoid Î²-triketonates: a new class of highly efficient NIR emitters for bright NIR-OLEDs. Chemical Communications, 2014, 50, 11580-11582.	2.2	39

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19	Properties and prospects for rhenium(<scp>i</scp>) tricarbonyl N-heterocyclic carbene complexes. Chemical Communications, 2018, 54, 12429-12438.	2.2	38
20	Methylated Re(<scp>i</scp>) tetrazolato complexes: photophysical properties and Light Emitting Devices. Dalton Transactions, 2015, 44, 8379-8393.	1.6	37
21	Unravelling the Mechanism of Excited-State Interligand Energy Transfer and the Engineering of Dual Emission in [Ir(C^{â^§}N)₂(N^{â^§}N)]⁺ Complexes. Inorganic Chemistry, 2020, 59, 1785-1803.	1.9	33
22	Proton-Induced Reversible Modulation of the Luminescent Output of Rhenium(I), Iridium(III), and Ruthenium(II) Tetrazolate Complexes. Inorganic Chemistry, 2014, 53, 229-243.	1.9	32
23	Photochemical Processes in a Rhenium(I) Tricarbonyl N-Heterocyclic Carbene Complex Studied by Time-Resolved Measurements. Inorganic Chemistry, 2017, 56, 3404-3413.	1.9	32
24	Anionic Cyclometalated Platinum(II) Tetrazolato Complexes as Viable Photoredox Catalysts. Organometallics, 2019, 38, 1108-1117.	1.1	32
25	Synthesis, Photophysical and Electrochemical Investigation of Dinuclear Tetrazolato-Bridged Rhenium Complexes. Organometallics, 2012, 31, 7566-7578.	1.1	31
26	Lipid profiles of prostate cancer cells. Oncotarget, 2018, 9, 35541-35552.	0.8	31
27	Photophysical and photochemical studies of tricarbonyl rhenium(<scp>i</scp>) N-heterocyclic carbene complexes containing azide and triazolate ligands. New Journal of Chemistry, 2016, 40, 5797-5807.	1.4	30
28	Ligand-Induced Structural, Photophysical, and Electrochemical Variations in Tricarbonyl Rhenium(I) Tetrazolato Complexes. Organometallics, 2013, 32, 3728-3737.	1.1	29
29	A Molecular Probe for the Detection of Polar Lipids in Live Cells. PLoS ONE, 2016, 11, e0161557.	1.1	29
30	Mitochondrial imaging in live or fixed tissues using a luminescent iridium complex. Scientific Reports, 2018, 8, 8191.	1.6	29
31	Naphthalene flanked diketopyrrolopyrrole based organic semiconductors for high performance organic field effect transistors. New Journal of Chemistry, 2018, 42, 12374-12385.	1.4	29
32	Luminescent Lanthanoid Calixarene Complexes and Materials. Materials, 2017, 10, 1369.	1.3	27
33	Tricarbonyl rhenium(<scp>i</scp>) tetrazolato and N-heterocyclic carbene complexes: versatile visible-light-mediated photoredox catalysts. Dalton Transactions, 2019, 48, 12749-12754.	1.6	27
34	A â€œplug-and-playâ€•approach to the preparation of transparent luminescent hybrid materials based on poly(methyl methacrylate), a calix[4]arene cross-linking agent, and terbium ions. Chemical Communications, 2011, 47, 3876.	2.2	25
35	Enhanced deep-blue emission from Pt(ii) complexes bound to 2-pyridyltetrazolate and an ortho-xylene-linked bis(NHC)cyclophane. Dalton Transactions, 2013, 42, 4233.	1.6	25
36	Introducing a New Family of Biotinylated Ir(III)-Pyridyltriazole Lumophores: Synthesis, Photophysics, and Preliminary Study of Avidin-Binding Properties. Organometallics, 2014, 33, 6154-6164.	1.1	24

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37	Lanthanoid/Alkali Metal Î²â€Triketonate Assemblies: A Robust Platform for Efficient NIR Emitters. Chemistry - A European Journal, 2015, 21, 18354-18363.	1.7	24
38	Visible and Near-Infrared Emission from Lanthanoid Î²-Triketonate Assemblies Incorporating Cesium Cations. Inorganic Chemistry, 2017, 56, 8975-8985.	1.9	23
39	Imaging nuclear, endoplasmic reticulum and plasma membrane events in real time. FEBS Letters, 2016, 590, 3051-3060.	1.3	22
40	Synthesis and characterisation of homoleptic 2,9-diaryl-1,10-phenanthroline copper(i) complexes: influencing selectivity in photoredox-catalysed atom-transfer radical addition reactions. Dalton Transactions, 2019, 48, 7290-7301.	1.6	22
41	[¹⁸F]Ethenesulfonyl Fluoride as a Practical Radiofluoride Relay Reagent. Chemistry - A European Journal, 2019, 25, 7613-7617.	1.7	21
42	Energy transfer between Eu³⁺ and Nd³⁺ in near-infrared emitting Î²-triketonate coordination polymers. Dalton Transactions, 2018, 47, 12345-12352.	1.6	20
43	One-step assembly of Re(i) tricarbonyl 2-pyridyltetrazolato metallacalix[3]arene with aqua emission and reversible three-electron oxidation. Dalton Transactions, 2013, 42, 8188.	1.6	19
44	Fluorineâ€18 Radiolabelling and Photophysical Characteristics of Multimodal PETâ€“Fluorescence Molecular Probes. Chemistry - A European Journal, 2021, 27, 861-876.	1.7	19
45	Targeting divalent metal cations with Re(<scp>i</scp>) tetrazolato complexes. Dalton Transactions, 2015, 44, 20597-20608.	1.6	18
46	Synthesis, bioconjugation and stability studies of [¹⁸F]ethenesulfonyl fluoride. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 847-856.	0.5	18
47	Analyzing the Relation between Structure and Aggregation Induced Emission (AIE) Properties of Iridium(III) Complexes through Modification of Nonâ€Chromophoric Ancillary Ligands. European Journal of Inorganic Chemistry, 2019, 2019, 152-163.	1.0	18
48	Rh(I)(2,5-norbornadiene)(biphenyl)(tris(4-fluorophenyl)phosphine): Synthesis, Characterization, and Application as an Initiator in the Stereoregular (Co)Polymerization of Phenylacetylenes. ACS Macro Letters, 2020, 9, 56-60.	2.3	18
49	Complementary Approaches to Imaging Subcellular Lipid Architectures in Live Bacteria Using Phosphorescent Iridium Complexes and Raman Spectroscopy. Chemistry - A European Journal, 2019, 25, 10566-10570.	1.7	17
50	Fully Ir(<scp>iii</scp>) tetrazolate soft salts: the road to white-emitting ion pairs. Dalton Transactions, 2016, 45, 3256-3259.	1.6	16
51	Methylation of Ir(<scp>iii</scp>)-tetrazolato complexes: an effective route to modulate the emission outputs and to switch to antimicrobial properties. Dalton Transactions, 2017, 46, 12328-12338.	1.6	16
52	Synthesis, reactivity and preliminary biological activity of iron(0) complexes with cyclopentadienone and aminoâ€appended Nâ€heterocyclic carbene ligands. Applied Organometallic Chemistry, 2019, 33, e4779.	1.7	16
53	Comparison of the impact of ozone, chlorine dioxide, ferrate and permanganate pre-oxidation on organic disinfection byproduct formation during post-chlorination. Environmental Science: Water Research and Technology, 2020, 6, 2382-2395.	1.2	16
54	Rhenium tetrazolato complexes coordinated to thioalkyl-functionalised phenanthroline ligands: synthesis, photophysical characterisation, and incubation in live HeLa cells. Dalton Transactions, 2015, 44, 20636-20647.	1.6	15

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55	Structural characterisation and photophysical properties of lanthanoid complexes of a tetra-amide functionalised calix[4]arene. Supramolecular Chemistry, 2016, 28, 567-574.	1.5	15
56	Negatively charged Ir(<scp>iii</scp>) cyclometalated complexes containing a chelating bis-tetrazolato ligand: synthesis, photophysics and the study of reactivity with electrophiles. Dalton Transactions, 2016, 45, 12884-12896.	1.6	14
57	A Fluorineâ€18 Radiolabeling Method Enabled by Rhenium(I) Complexation Circumvents the Requirement of Anhydrous Conditions. Chemistry - A European Journal, 2017, 23, 6499-6503.	1.7	14
58	Rhenium N-heterocyclic carbene complexes block growth of aggressive cancers by inhibiting FGFR- and SRC-mediated signalling. Journal of Experimental and Clinical Cancer Research, 2020, 39, 276.	3.5	14
59	Reinterpreting the Fate of Iridium(III) Photocatalystsâ”€Screening a Combinatorial Library to Explore Light-Driven Side-Reactions. Journal of the American Chemical Society, 2022, 144, 11189-11202.	6.6	14
60	Photoactive Metal Carbonyl Complexes Bearing N-Heterocyclic Carbene Ligands: Synthesis, Characterization, and Viability as Photoredox Catalysts. Inorganic Chemistry, 2022, 61, 1888-1898.	1.9	13
61	Blue emitting C2-symmetrical dibenzothiazolyl substituted pyrrole, furan and thiophene. Journal of Materials Chemistry C, 2013, 1, 2209.	2.7	12
62	Probing the effect of Î²-triketonates in visible and NIR emitting lanthanoid complexes. Dalton Transactions, 2018, 47, 7956-7964.	1.6	12
63	Colloidal quasi-one-dimensional dual semiconductor core/shell nanorod couple heterostructures with blue fluorescence. Nanoscale, 2019, 11, 10190-10197.	2.8	12
64	2,7- and 4,9-Dialkynyldihydropyrene Molecular Switches: Syntheses, Properties, and Charge Transport in Single-Molecule Junctions. Journal of the American Chemical Society, 2022, 144, 12698-12714.	6.6	12
65	Versatility of Terpyridineâ€Functionalised Aryl Tetrazoles: Photophysical Properties, Ratiometric Sensing of Zinc Cations and Sensitisation of Lanthanide Luminescence. European Journal of Inorganic Chemistry, 2017, 2017, 5260-5270.	1.0	11
66	Luminescent protein staining with Re(<scp>i</scp>) tetrazolato complexes. Dalton Transactions, 2018, 47, 9400-9410.	1.6	11
67	Di[2,6-bis(5-phenylpyrazol-3-yl)pyridine]Co(II): an old coordination mode for a novel supramolecular assembly. CrystEngComm, 2010, 12, 3422.	1.3	10
68	A (2-(naphthalen-2-yl)phenyl)rhodium(i) complex formed by a proposed intramolecular 1,4-ortho-to-orthoâ€² Rh metal-atom migration and its efficacy as an initiator in the controlled stereospecific polymerisation of phenylacetylene. Dalton Transactions, 2019, 48, 16437-16447.	1.6	10
69	Synthesis and Photochemical Properties of Re(I) Tricarbonyl Complexes Bound to Thione and Thiazol-2-ylidene Ligands. Organometallics, 2020, 39, 3202-3211.	1.1	10
70	Neutral Re(I) Complex Platform for Live Intracellular Imaging. Inorganic Chemistry, 2021, 60, 10173-10185.	1.9	10
71	Tetrazoles: a new class of compound for crystallization modification. CrystEngComm, 2010, 12, 4205.	1.3	9
72	Rhodium(I)â€Î±â€Phenylvinylfluorenyl Complexes: Synthesis, Characterization, and Evaluation as Initiators in the Stereospecific Polymerization of Phenylacetylene. European Journal of Inorganic Chemistry, 2019, 2019, 592-601.	1.0	9

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73	Synthesis and Photochemical Properties of Manganese(I) Tricarbonyl Diimine Complexes Bound to Tetrazolato Ligands. European Journal of Inorganic Chemistry, 2020, 2020, 292-298.	1.0	9
74	Tetrazole functional copolymers: Facile access to well-defined Rhenium(I)-Polymeric luminescent materials. Polymer, 2020, 198, 122522.	1.8	9
75	Spectroscopic and Molecular Docking Study of the Interaction between Neutral Re(I) Tetrazolate Complexes and Bovine Serum Albumin. Chemistry - A European Journal, 2021, 27, 11406-11417.	1.7	9
76	Colourless luminescent solar concentrators based on Iridium(III)-Phosphors. Dyes and Pigments, 2021, 193, 109532.	2.0	9
77	Photophysical and biological investigation of phenol substituted rhenium tetrazolato complexes. Dalton Transactions, 2019, 48, 15613-15624.	1.6	8
78	Photophysical investigation of near infrared emitting lanthanoid complexes incorporating tris(2-naphthoyl)methane as a new antenna ligand. Dalton Transactions, 2019, 48, 3768-3776.	1.6	8
79	Accessing Lanthanideâ€toâ€Lanthanide Energy Transfer in a Family of Siteâ€Resolved [Ln III Ln III â€²] Heterodimetallic Complexes. Chemistry - A European Journal, 2021, 27, 7288-7299.	1.7	8
80	Rhenium(<scp>i</scp>) complexationâ€“dissociation strategy for synthesising fluorine-18 labelled pyridine bidentate radiotracers. RSC Advances, 2020, 10, 8853-8865.	1.7	7
81	Tetrazoles: calcium oxalate crystal growth modifiers. CrystEngComm, 2015, 17, 2675-2681.	1.3	6
82	Effect of Rhenium(I) Complexation on Aza-Michael Additions to 5-Amino-1,10-Phenanthroline with [18F]Ethenesulfonyl Fluoride towards PET Optical Tracer Development. Australian Journal of Chemistry, 2019, 72, 288.	0.5	6
83	Lanthanoid pyridyl-Î²-diketonate â€˜triangles†. New examples of single molecule toroics. Dalton Transactions, 2020, 49, 17421-17432.	1.6	6
84	(Î·⁴-Tetrafluorobenzobarrelene)-Î·¹-((tri-4-fluorophenyl)phosphine)-Î·¹-(2-phenylphenyl)rhodium(I) A Catalyst for the Living Polymerization of Phenylacetylenes. Macromolecules, 2021, 54, 6191-6203.	2.2	6
85	Mapping sub-cellular protein aggregates and lipid inclusions using synchrotron ATR-FTIR microspectroscopy. Analyst, The, 2021, 146, 3516-3525.	1.7	6
86	Investigation of the Photophysical Properties of a Eu3+ Coordination Polymer Bearing an Î±-Nitrile Substituted Î²-Diketonate Ligand via Emission and Ultrafast Transient Absorption Spectroscopy. Australian Journal of Chemistry, 2015, 68, 1392.	0.5	5
87	Lanthanoid complexes supported by retro-Claisen condensation products of Î²-triketonates. Dalton Transactions, 2018, 47, 17469-17478.	1.6	5
88	Rhenium(I)-tetrazolato functional luminescent polymers: Organic-inorganic hybrids via RAFT and post-polymerization modification. European Polymer Journal, 2020, 126, 109559.	2.6	5
89	Diol-functionalised benzoates as novel linkers for the formation of coordination polymers. CrystEngComm, 2007, 9, 282.	1.3	4
90	Ionophoric properties of a tetra-tetrazole functionalised calix[4]arene. Supramolecular Chemistry, 2015, 27, 787-791.	1.5	4

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91	Lanthanoid Complexation by a Trisâ€Tetrazoleâ€Functionalised Calix[4]arene. European Journal of Inorganic Chemistry, 2016, 2016, 5366-5372.	1.0	4
92	Antibacterial activity of a new class of tris homoleptic Ru (II)â€complexes with alkylâ€tetrazoles as diimineâ€type ligands. Applied Organometallic Chemistry, 2020, 34, e5806.	1.7	4
93	Photophysical and Biological Properties of Iridium Tetrazolato Complexes Functionalised with Fatty Acid Chains. Inorganics, 2020, 8, 23.	1.2	4
94	In utero substrate restriction by placental insufficiency or maternal undernutrition decreases optical redox ratio in foetal perirenal fat. Journal of Biophotonics, 2021, 14, e202000322.	1.1	4
95	Pharmacological and structure-activity relationship studies of oleoyl-lysophosphatidylinositol synthetic mimetics. Pharmacological Research, 2021, 172, 105822.	3.1	4
96	Structure illumination microscopy imaging of lipid vesicles in live bacteria with naphthalimide-appended organometallic complexes. Analyst, The, 2021, 146, 3818-3822.	1.7	4
97	Synthesis and structural, redox and photophysical properties of tris-(2,5-di(2-pyridyl)pyrrolide) lanthanide complexes. Dalton Transactions, 2019, 48, 9365-9375.	1.6	3
98	Influence of the para â€Substituent in Lanthanoid Complexes of Bisâ€Tetrazoleâ€Substituted Calix[4]arenes. European Journal of Inorganic Chemistry, 2020, 2020, 94-100.	1.0	3
99	Enhanced Near-Infrared Emission from Eight-Coordinate vs Nine-Coordinate YbIII Complexes Using 2-(5-Methylpyridin-2-yl)-8-hydroxyquinoline. Inorganic Chemistry, 2020, 59, 16194-16204.	1.9	3
100	Imaging lipophilic regions in rodent brain tissue with halogenated BODIPY probes. Analyst, The, 2020, 145, 3809-3813.	1.7	3
101	A rhodamineâ€“naphthalimideâ€“benzamide trichromophoric system with solid-state and multiple solvent dependent aggregate emissive properties. Materials Chemistry Frontiers, 0, , .	3.2	3
102	Hydrated Lanthanoid Complexes of 5-(2â€²-Pyridyl)tetrazole Formed in the Presence of Dimethyl Sulfoxide. Australian Journal of Chemistry, 2012, 65, 819.	0.5	2
103	Synthesis, structure and conformational mobility of tetra-substituted cyanomethoxy p-tert-butylcalix[4]arenes. RSC Advances, 2016, 6, 37006-37011.	1.7	2
104	Investigation of the structure and magnetism in lanthanide Î²-triketonate tetranuclear assemblies. Journal of Coordination Chemistry, 2016, 69, 1852-1863.	0.8	2
105	A facile methodology using quantum dot multiplex labels for tracking co-transfection. RSC Advances, 2019, 9, 20053-20057.	1.7	2
106	Telescoping the Synthesis of the [18 F]CABS13 Alzheimer's Disease Radiopharmaceutical via Flow Microfluidic Rhenium(I) Complexations. European Journal of Inorganic Chemistry, 2020, 2020, 3554-3564.	1.0	2
107	Labeled Rhenium Complexes: Radiofluorination, Î±-MSH Cyclization, and Deuterium Substitutions. Organometallics, 2020, 39, 2334-2351.	1.1	2
108	Luminescent Copolymerâ€Rhenium(I) Hybrid Materials via Picolylamineâ€Modified Poly(pentafluorophenyl) Tj ETQq0 0 0 rgBT /Overlock	1.1	2

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109	Alkyl tetrazoles as diimine (â€œdiimâ€) ligands for fac-[Re(diim)(CO)3(L)]-type complexes. Synthesis, characterization and preliminary studies of the interaction with bovine serum albumin. Inorganica Chimica Acta, 2021, 518, 120244.	1.2	2
110	Frontispiece: Fluorineâ€18 Radiolabelling and Photophysical Characteristics of Multimodal PETâ€“Fluorescence Molecular Probes. Chemistry - A European Journal, 2021, 27, .	1.7	0
111	Structure, derivatisation, and metal complexation of p-cyclohexylcalix[4]arene. Supramolecular Chemistry, 0, , 1-8.	1.5	0
112	Dendronised Polymers as Templates for In Situ Quantum Dot Synthesis. Australian Journal of Chemistry, 2020, 73, 658.	0.5	0
113	Wellâ€defined Tetrazoleâ€functional Copolymers as Macromolecular Ligands for Luminescent Ir(III) and Re(I) Metal Species: Synthesis, Photophysical Properties and Application in Bioimaging. Macromolecular Chemistry and Physics, 0, , 2200021.	1.1	0