

Stefano Stagni

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

80
papers

1,833
citations

24
h-index

38
g-index

82
ext. papers

1,980
ext. citations

4.3
avg, IF

4.29
L-index

#	Paper	IF	Citations
80	Alkyl tetrazoles as diimine (diim) ligands for fac-[Re(diim)(CO) ₃ (L)]-type complexes. Synthesis, characterization and preliminary studies of the interaction with bovine serum albumin. <i>Inorganica Chimica Acta</i> , 2021 , 518, 120244	2.7	2
79	Spectroscopic and Molecular Docking Study of the Interaction between Neutral Re(I) Tetrazolate Complexes and Bovine Serum Albumin. <i>Chemistry - A European Journal</i> , 2021 , 27, 11406-11417	4.8	1
78	Neutral Re(I) Complex Platform for Live Intracellular Imaging. <i>Inorganic Chemistry</i> , 2021 , 60, 10173-10185	5.1	2
77	Highly twisted carbazole-borane derivatives: B ₁₀ stereodynamic analysis and consequences on their emission properties. <i>Organic Chemistry Frontiers</i> , 2021 , 8, 4496-4507	5.2	0
76	Colourless luminescent solar concentrators based on Iridium(III)-Phosphors. <i>Dyes and Pigments</i> , 2021 , 193, 109532	4.6	3
75	Structure illumination microscopy imaging of lipid vesicles in live bacteria with naphthalimide-appended organometallic complexes. <i>Analyst, The</i> , 2021 , 146, 3818-3822	5	2
74	Antibacterial activity of a new class of tris homoleptic Ru (II)-complexes with alkyl-tetrazoles as diimine-type ligands. <i>Applied Organometallic Chemistry</i> , 2020 , 34, e5806	3.1	3
73	Use of Cotton Textiles Coated by Ir(III) Tetrazole Complexes within Ceramic Silica Nanophases for Photo-Induced Self-Marker and Antibacterial Application. <i>Nanomaterials</i> , 2020 , 10,	5.4	1
72	Superacid Aquivion [®] PFSA as an efficient catalyst for the gas phase dehydration of ethanol to ethylene in mild conditions. <i>Applied Catalysis A: General</i> , 2020 , 597, 117544	5.1	3
71	Synthesis and Photochemical Properties of Manganese(I) Tricarbonyl Diimine Complexes Bound to Tetrazolato Ligands. <i>European Journal of Inorganic Chemistry</i> , 2020 , 2020, 292-298	2.3	7
70	New examples of Ru(II)-tetrazolato complexes as thiocyanate-free sensitizers for dye-sensitized solar cells. <i>Dalton Transactions</i> , 2020 , 49, 14543-14555	4.3	0
69	Photophysical and Biological Properties of Iridium Tetrazolato Complexes Functionalised with Fatty Acid Chains. <i>Inorganics</i> , 2020 , 8, 23	2.9	2
68	Heteromultimetallic compounds based on polyfunctional carboxylate linkers. <i>New Journal of Chemistry</i> , 2019 , 43, 3199-3207	3.6	3
67	Complementary Approaches to Imaging Subcellular Lipid Architectures in Live Bacteria Using Phosphorescent Iridium Complexes and Raman Spectroscopy. <i>Chemistry - A European Journal</i> , 2019 , 25, 10566-10570	4.8	14
66	Photophysical and biological investigation of phenol substituted rhenium tetrazolato complexes. <i>Dalton Transactions</i> , 2019 , 48, 15613-15624	4.3	7
65	Anionic Cyclometalated Platinum(II) Tetrazolato Complexes as Viable Photoredox Catalysts. <i>Organometallics</i> , 2019 , 38, 1108-1117	3.8	21
64	Encapsulation of cationic iridium(III) tetrazole complexes into a silica matrix: synthesis, characterization and optical properties. <i>New Journal of Chemistry</i> , 2018 , 42, 9635-9644	3.6	5

63	Lipid profiles of prostate cancer cells. <i>Oncotarget</i> , 2018 , 9, 35541-35552	3.3	22
62	Lanthanoid tetrazole coordination complexes. <i>Coordination Chemistry Reviews</i> , 2018 , 375, 164-172	23.2	24
61	Probing the effect of β -triketonates in visible and NIR emitting lanthanoid complexes. <i>Dalton Transactions</i> , 2018 , 47, 7956-7964	4.3	8
60	Mitochondrial imaging in live or fixed tissues using a luminescent iridium complex. <i>Scientific Reports</i> , 2018 , 8, 8191	4.9	23
59	Luminescent protein staining with Re(i) tetrazolato complexes. <i>Dalton Transactions</i> , 2018 , 47, 9400-9410	4.3	9
58	Photochemical Processes in a Rhenium(I) Tricarbonyl N-Heterocyclic Carbene Complex Studied by Time-Resolved Measurements. <i>Inorganic Chemistry</i> , 2017 , 56, 3404-3413	5.1	27
57	Oxidative Coupling of Imino, Amide Platinum(II) Complexes Yields Highly Conjugated Blue Dimers. <i>Organometallics</i> , 2017 , 36, 384-390	3.8	12
56	Methylation of Ir(iii)-tetrazolato complexes: an effective route to modulate the emission outputs and to switch to antimicrobial properties. <i>Dalton Transactions</i> , 2017 , 46, 12328-12338	4.3	15
55	Versatility of Terpyridine-Functionalised Aryl Tetrazoles: Photophysical Properties, Ratiometric Sensing of Zinc Cations and Sensitisation of Lanthanide Luminescence. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 5260-5270	2.3	8
54	Investigating Intracellular Localisation and Cytotoxicity Trends for Neutral and Cationic Iridium Tetrazolato Complexes in Live Cells. <i>Chemistry - A European Journal</i> , 2017 , 23, 15666-15679	4.8	46
53	Visible and Near-Infrared Emission from Lanthanoid β -triketonate Assemblies Incorporating Cesium Cations. <i>Inorganic Chemistry</i> , 2017 , 56, 8975-8985	5.1	17
52	The stepwise generation of multimetallic complexes based on a vinylbipyridine linkage and their photophysical properties. <i>Dalton Transactions</i> , 2017 , 46, 5558-5570	4.3	6
51	Intracellular distribution and stability of a luminescent rhenium(i) tricarbonyl tetrazolato complex using epifluorescence microscopy in conjunction with X-ray fluorescence imaging. <i>Metallomics</i> , 2017 , 9, 382-390	4.5	23
50	Imaging nuclear, endoplasmic reticulum and plasma membrane events in real time. <i>FEBS Letters</i> , 2016 , 590, 3051-60	3.8	20
49	Negatively charged Ir(iii) cyclometalated complexes containing a chelating bis-tetrazolato ligand: synthesis, photophysics and the study of reactivity with electrophiles. <i>Dalton Transactions</i> , 2016 , 45, 12884-96	4.3	12
48	Unprecedented staining of polar lipids by a luminescent rhenium complex revealed by FTIR microspectroscopy in adipocytes. <i>Molecular BioSystems</i> , 2016 , 12, 2064-8		23
47	Fully Ir(iii) tetrazolate soft salts: the road to white-emitting ion pairs. <i>Dalton Transactions</i> , 2016 , 45, 3256-9	4.3	14
46	Bimetallic Fe-Cu Carbido Carbonyl Clusters Obtained from the Reactions of $[\text{Fe}_4\text{C}(\text{CO})_{12}\{\text{Cu}(\text{MeCN})_2\}]$ with N-Donor Ligands. <i>Journal of Cluster Science</i> , 2016 , 27, 431-456	3	4

45	A Molecular Probe for the Detection of Polar Lipids in Live Cells. <i>PLoS ONE</i> , 2016 , 11, e0161557	3.7	26
44	Targeting divalent metal cations with Re(I) tetrazolato complexes. <i>Dalton Transactions</i> , 2015 , 44, 20597-608	4.3	17
43	Ionophoric properties of a tetra-tetrazole functionalised calix[4]arene. <i>Supramolecular Chemistry</i> , 2015 , 27, 787-791	1.8	4
42	New heterometallic Ir(III)2-Eu(III) complexes: white light emission from a single molecule. <i>Dalton Transactions</i> , 2015 , 44, 37-40	4.3	10
41	Lanthanoid/Alkali Metal β -Triketonate Assemblies: A Robust Platform for Efficient NIR Emitters. <i>Chemistry - A European Journal</i> , 2015 , 21, 18354-63	4.8	19
40	Rhenium tetrazolato complexes coordinated to thioalkyl-functionalised phenanthroline ligands: synthesis, photophysical characterisation, and incubation in live HeLa cells. <i>Dalton Transactions</i> , 2015 , 44, 20636-47	4.3	14
39	Methylated Re(I) tetrazolato complexes: photophysical properties and Light Emitting Devices. <i>Dalton Transactions</i> , 2015 , 44, 8379-93	4.3	36
38	Lanthanoid β -triketones: a new class of highly efficient NIR emitters for bright NIR-OLEDs. <i>Chemical Communications</i> , 2014 , 50, 11580-2	5.8	32
37	Introducing a New Family of Biotinylated Ir(III)-Pyridyltriazole Lumophores: Synthesis, Photophysics, and Preliminary Study of Avidin-Binding Properties. <i>Organometallics</i> , 2014 , 33, 6154-6164	3.8	21
36	Proton-induced reversible modulation of the luminescent output of rhenium(I), iridium(III), and ruthenium(II) tetrazolate complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 229-43	5.1	32
35	Iridium(III) complexes with phenyl-tetrazoles as cyclometalating ligands. <i>Inorganic Chemistry</i> , 2014 , 53, 7709-21	5.1	57
34	Modulation of the organelle specificity in Re(I) tetrazolato complexes leads to labeling of lipid droplets. <i>RSC Advances</i> , 2014 , 4, 16345-16351	3.7	42
33	Photophysical and photochemical trends in tricarbonyl rhenium(I) N-heterocyclic carbene complexes. <i>Inorganic Chemistry</i> , 2014 , 53, 3629-41	5.1	45
32	Tuning the colour and efficiency in OLEDs by using amorphous or polycrystalline emitting layers. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 1823	7.1	26
31	The photochemistry of rhenium(I) tricarbonyl N-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2013 , 42, 14100-14	4.3	48
30	Blue emitting C ₂ -symmetrical dibenzothiazolyl substituted pyrrole, furan and thiophene. <i>Journal of Materials Chemistry C</i> , 2013 , 1, 2209	7.1	10
29	One-step assembly of Re(I) tricarbonyl 2-pyridyltetrazolato metallacalix[3]arene with aqua emission and reversible three-electron oxidation. <i>Dalton Transactions</i> , 2013 , 42, 8188-91	4.3	17
28	Recyclable calix[4]arene-lanthanoid luminescent hybrid materials with color-tuning and color-switching properties. <i>Dalton Transactions</i> , 2013 , 42, 6894-901	4.3	13

27	Ligand-Induced Structural, Photophysical, and Electrochemical Variations in Tricarbonyl Rhenium(I) Tetrazolato Complexes. <i>Organometallics</i> , 2013 , 32, 3728-3737	3.8	26
26	New tetrazole-based Cu(I) homo- and heteroleptic complexes with various P^P ligands: synthesis, characterization, redox and photophysical properties. <i>Dalton Transactions</i> , 2013 , 42, 997-1010	4.3	90
25	Triple Click to Tripodal Triazole-Based Ligands: Synthesis and Characterization of Blue-Emitting Ce ³⁺ Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 2432-2439	2.3	15
24	Enhanced deep-blue emission from Pt(II) complexes bound to 2-pyridyltetrazolate and an ortho-xylene-linked bis(NHC)cyclophane. <i>Dalton Transactions</i> , 2013 , 42, 4233-6	4.3	22
23	Synthesis, Photophysical and Electrochemical Investigation of Dinuclear Tetrazolato-Bridged Rhenium Complexes. <i>Organometallics</i> , 2012 , 31, 7566-7578	3.8	28
22	A new tetraarylcyclopentadienone based low molecular weight gelator: synthesis, self-assembly properties and anion recognition. <i>New Journal of Chemistry</i> , 2012 , 36, 1469	3.6	23
21	Redox Properties of a Rhenium Tetrazolato Complex in Room Temperature Ionic Liquids: Assessing the Applicability of the Stokes-Einstein Equation for a Metal Complex in Ionic Liquids. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 7327-7333	3.8	19
20	Luminescent lanthanoid complexes of a tetrazole-functionalised calix[4]arene. <i>Dalton Transactions</i> , 2012 , 41, 4736-9	4.3	39
19	Synthesis, structural, and photophysical investigation of diimine triscarbonyl Re(I) tetrazolato complexes. <i>Inorganic Chemistry</i> , 2011 , 50, 1229-41	5.1	71
18	A "plug-and-play" approach to the preparation of transparent luminescent hybrid materials based on poly(methyl methacrylate), a calix[4]arene cross-linking agent, and terbium ions. <i>Chemical Communications</i> , 2011 , 47, 3876-8	5.8	23
17	N-heterocyclic carbenes as π -acceptors in luminescent Re(I) triscarbonyl complexes. <i>Dalton Transactions</i> , 2011 , 40, 11960-7	4.3	52
16	Self-assembly of [Pt(3n)(CO)(6n)] ₂ - (n = 4-8) carbonyl clusters: from molecules to conducting molecular metal wires. <i>Inorganic Chemistry</i> , 2010 , 49, 5992-6004	5.1	38
15	Ultrasound-promoted hydrogelation of terpyridine derivatives. <i>New Journal of Chemistry</i> , 2010 , 34, 2093-6	3.6	48
14	5-(2-Thienyl)tetrazolates as Ligands for Ru(II) Polypyridyl Complexes: Synthesis, Electrochemistry and Photophysical Properties. <i>European Journal of Inorganic Chemistry</i> , 2010 , 2010, 4643-4657	2.3	12
13	High efficiency electroluminescence devices using a series of Ir(III)-tetrazolate phosphors: Mechanisms for the drive current evolution of quantum yield. <i>Applied Physics Letters</i> , 2009 , 94, 083306	3.4	9
12	Metalorganic frameworks based on the 1,4-bis(5-tetrazolyl) benzene ligand: The Ag and Cu derivatives. <i>Inorganica Chimica Acta</i> , 2009 , 362, 4340-4346	2.7	22
11	Essential role of the ancillary ligand in the color tuning of iridium tetrazolate complexes. <i>Inorganic Chemistry</i> , 2008 , 47, 10509-21	5.1	115
10	Polypyridyl ruthenium(II) complexes with tetrazolate-based chelating ligands. Synthesis, reactivity, and electrochemical and photophysical properties. <i>Inorganic Chemistry</i> , 2007 , 46, 9126-38	5.1	42

- 9 Ruthenium(II) complexes containing tetrazolate group: electrochemiluminescence in solution and solid state. *Journal of Physical Chemistry B*, **2006**, 110, 22551-6 3-4 17
- 8 A new family of ruthenium(II) polypyridine complexes bearing 5-aryltetrazolate ligands as systems for electrochemiluminescent devices. *Inorganic Chemistry*, **2006**, 45, 695-709 5-1 75
- 7 Synthesis and NMR characterization of dinuclear Fe(II) organometallic complexes containing a non-equivalently bridging 5-aryl tetrazolate ligand. *Journal of Organometallic Chemistry*, **2005**, 690, 2052-2061 2-3 12
- 6 Coordinating properties of $[M(CO)_5(CN)]$ [$M=Cr; Mo; W$] ligands: formation of ion pairs or dinuclear cyanide-bridged complexes, spectroscopic and X-ray diffraction studies. *Journal of Organometallic Chemistry*, **2004**, 689, 2324-2337 2-3 7
- 5 Fabrication of material patterns by grid-assisted deposition. *Materials Science and Engineering C*, **2003**, 23, 923-925 8-3 16
- 4 Synthesis and reactivity of a new Fe(II) 5-(4-pyridyl)-tetrazolate complex and X-ray structure of its doubly protonated derivative.. *Journal of Organometallic Chemistry*, **2003**, 669, 135-140 2-3 21
- 3 Erratum to Synthesis and reactivity of a new Fe(II) 5-(4-pyridyl)-tetrazolate complex and X-ray structure of its doubly protonated derivative. *Journal of Organometallic Chemistry*, **2003**, 672, 130 2-3 2
- 2 Enhancement of luminescence lifetimes of mononuclear ruthenium(II)-terpyridine complexes by manipulation of the sigma-donor strength of ligands. *Inorganic Chemistry*, **2003**, 42, 8377-84 5-1 97
- 1 Interannular Conjugation in New Iron(II) 5-Aryl Tetrazolate Complexes. *Organometallics*, **2002**, 21, 3774-3781 3-4 34