

# Stefano Stagni

## List of Publications by Year in descending order

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81  
papers

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citations

172386

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265120

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82  
docs citations

82  
times ranked

2612  
citing authors

#	ARTICLE	IF	CITATIONS
1	Essential Role of the Ancillary Ligand in the Color Tuning of Iridium Tetrazolate Complexes. <i>Inorganic Chemistry</i> , 2008, 47, 10509-10521.	1.9	119
2	Enhancement of Luminescence Lifetimes of Mononuclear Ruthenium(II) $\pi$ -Terpyridine Complexes by Manipulation of the $\sigma$ -Donor Strength of Ligands. <i>Inorganic Chemistry</i> , 2003, 42, 8377-8384.	1.9	111
3	New tetrazole-based Cu( <i>sc</i> ) homo- and heteroleptic complexes with various P <sup>P</sup> ligands: synthesis, characterization, redox and photophysical properties. <i>Dalton Transactions</i> , 2013, 42, 997-1010.	1.6	103
4	A New Family of Ruthenium(II) Polypyridine Complexes Bearing 5-Aryltetrazolate Ligands as Systems for Electrochemiluminescent Devices. <i>Inorganic Chemistry</i> , 2006, 45, 695-709.	1.9	78
5	Synthesis, Structural, and Photophysical Investigation of Diimine Triscarbonyl Re(I) Tetrazolato Complexes. <i>Inorganic Chemistry</i> , 2011, 50, 1229-1241.	1.9	74
6	Iridium(III) Complexes with Phenyl-tetrazoles as Cyclometalating Ligands. <i>Inorganic Chemistry</i> , 2014, 53, 7709-7721.	1.9	72
7	N-Heterocyclic carbenes as $\pi$ -acceptors in luminescent Re(i) triscarbonyl complexes. <i>Dalton Transactions</i> , 2011, 40, 11960.	1.6	55
8	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.	1.7	53
9	The photochemistry of rhenium(i) tricarbonyl N-heterocyclic carbene complexes. <i>Dalton Transactions</i> , 2013, 42, 14100.	1.6	50
10	Ultrasound-promoted hydrogelation of terpyridine derivatives. <i>New Journal of Chemistry</i> , 2010, 34, 2093.	1.4	48
11	Modulation of the organelle specificity in Re( <i>sc</i> ) tetrazolato complexes leads to labeling of lipid droplets. <i>RSC Advances</i> , 2014, 4, 16345-16351.	1.7	48
12	Photophysical and Photochemical Trends in Tricarbonyl Rhenium(I) N-Heterocyclic Carbene Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 3629-3641.	1.9	48
13	Polypyridyl Ruthenium(II) Complexes with Tetrazolate-Based Chelating Ligands. Synthesis, Reactivity, and Electrochemical and Photophysical Properties. <i>Inorganic Chemistry</i> , 2007, 46, 9126-9138.	1.9	44
14	Self-Assembly of [Pt <sub>3</sub> (CO) <sub>6</sub> ] <sup>2+</sup> ( <i>n</i> = 4 <sup>+</sup> 8) Carbonyl Clusters: from Molecules to Conducting Molecular Metal Wires. <i>Inorganic Chemistry</i> , 2010, 49, 5992-6004.	1.9	40
15	Luminescent lanthanoid complexes of a tetrazole-functionalised calix[4]arene. <i>Dalton Transactions</i> , 2012, 41, 4736.	1.6	40
16	Lanthanoid $\beta^2$ -triketones: a new class of highly efficient NIR emitters for bright NIR-OLEDs. <i>Chemical Communications</i> , 2014, 50, 11580-11582.	2.2	39
17	Interannular Conjugation in New Iron(II) 5-Aryl Tetrazolate Complexes. <i>Organometallics</i> , 2002, 21, 3774-3781.	1.1	37
18	Methylated Re( <i>sc</i> ) tetrazolato complexes: photophysical properties and Light Emitting Devices. <i>Dalton Transactions</i> , 2015, 44, 8379-8393.	1.6	37

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19	Lanthanoid tetrazole coordination complexes. <i>Coordination Chemistry Reviews</i> , 2018, 375, 164-172.	9.5	34
20	Proton-Induced Reversible Modulation of the Luminescent Output of Rhenium(I), Iridium(III), and Ruthenium(II) Tetrazolate Complexes. <i>Inorganic Chemistry</i> , 2014, 53, 229-243.	1.9	32
21	Photochemical Processes in a Rhenium(I) Tricarbonyl N-Heterocyclic Carbene Complex Studied by Time-Resolved Measurements. <i>Inorganic Chemistry</i> , 2017, 56, 3404-3413.	1.9	32
22	Anionic Cyclometalated Platinum(II) Tetrazolato Complexes as Viable Photoredox Catalysts. <i>Organometallics</i> , 2019, 38, 1108-1117.	1.1	32
23	Synthesis, Photophysical and Electrochemical Investigation of Dinuclear Tetrazolato-Bridged Rhenium Complexes. <i>Organometallics</i> , 2012, 31, 7566-7578.	1.1	31
24	Intracellular distribution and stability of a luminescent rhenium( <sup>I</sup> ) tricarbonyl tetrazolato complex using epifluorescence microscopy in conjunction with X-ray fluorescence imaging. <i>Metallomics</i> , 2017, 9, 382-390.	1.0	31
25	Lipid profiles of prostate cancer cells. <i>Oncotarget</i> , 2018, 9, 35541-35552.	0.8	31
26	Tuning the colour and efficiency in OLEDs by using amorphous or polycrystalline emitting layers. <i>Journal of Materials Chemistry C</i> , 2013, 1, 1823.	2.7	30
27	Ligand-Induced Structural, Photophysical, and Electrochemical Variations in Tricarbonyl Rhenium(I) Tetrazolato Complexes. <i>Organometallics</i> , 2013, 32, 3728-3737.	1.1	29
28	A Molecular Probe for the Detection of Polar Lipids in Live Cells. <i>PLoS ONE</i> , 2016, 11, e0161557.	1.1	29
29	Mitochondrial imaging in live or fixed tissues using a luminescent iridium complex. <i>Scientific Reports</i> , 2018, 8, 8191.	1.6	29
30	Unprecedented staining of polar lipids by a luminescent rhenium complex revealed by FTIR microspectroscopy in adipocytes. <i>Molecular BioSystems</i> , 2016, 12, 2064-2068.	2.9	26
31	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.	2.2	25
32	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.	1.6	25
33	A new tetraarylcyclopentadienone based low molecular weight gelator: synthesis, self-assembly properties and anion recognition. <i>New Journal of Chemistry</i> , 2012, 36, 1469.	1.4	24
34	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.	1.1	24
35	Lanthanoid/Alkali Metal <sup>II</sup> β-ketonate Assemblies: A Robust Platform for Efficient NIR Emitters. <i>Chemistry - A European Journal</i> , 2015, 21, 18354-18363.	1.7	24
36	Synthesis and reactivity of a new Fe(II) 5-(4-pyridyl)-tetrazolate complex and X-ray structure of its doubly protonated derivative.. <i>Journal of Organometallic Chemistry</i> , 2003, 669, 135-140.	0.8	23

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37	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.	1.2	23
38	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.	1.5	23
39	Visible and Near-Infrared Emission from Lanthanoid $\beta^2$ -Triketonate Assemblies Incorporating Cesium Cations. <i>Inorganic Chemistry</i> , 2017, 56, 8975-8985.	1.9	23
40	Imaging nuclear, endoplasmic reticulum and plasma membrane events in real time. <i>FEBS Letters</i> , 2016, 590, 3051-3060.	1.3	22
41	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.	1.6	19
42	Ruthenium(II) Complexes Containing Tetrazolate Group: $\lambda$ Electrochemiluminescence in Solution and Solid State. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22551-22556.	1.2	18
43	Targeting divalent metal cations with Re( $\lambda$ ) tetrazolato complexes. <i>Dalton Transactions</i> , 2015, 44, 20597-20608.	1.6	18
44	Triple Click to Tripodal Triazole-Based Ligands - Synthesis and Characterization of Blue-Emitting Ce <sup>3+</sup> -Complexes. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 2432-2439.	1.0	17
45	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.	1.7	17
46	Fabrication of material patterns by grid-assisted deposition. <i>Materials Science and Engineering C</i> , 2003, 23, 923-925.	3.8	16
47	Fully Ir( $\lambda$ ) tetrazolate soft salts: the road to white-emitting ion pairs. <i>Dalton Transactions</i> , 2016, 45, 3256-3259.	1.6	16
48	Methylation of Ir( $\lambda$ )-tetrazolato complexes: an effective route to modulate the emission outputs and to switch to antimicrobial properties. <i>Dalton Transactions</i> , 2017, 46, 12328-12338.	1.6	16
49	Rhenium tetrazolato complexes coordinated to thioalkyl-functionalised phenanthroline ligands: synthesis, photophysical characterisation, and incubation in live HeLa cells. <i>Dalton Transactions</i> , 2015, 44, 20636-20647.	1.6	15
50	Oxidative Coupling of Imino, Amide Platinum(II) Complexes Yields Highly Conjugated Blue Dimers. <i>Organometallics</i> , 2017, 36, 384-390.	1.1	15
51	Negatively charged Ir( $\lambda$ ) cyclometalated complexes containing a chelating bis-tetrazolato ligand: synthesis, photophysics and the study of reactivity with electrophiles. <i>Dalton Transactions</i> , 2016, 45, 12884-12896.	1.6	14
52	Synthesis and NMR characterization of dinuclear Fe(II) organometallic complexes containing a non-equivalently bridging 5-aryl tetrazolate ligand. <i>Journal of Organometallic Chemistry</i> , 2005, 690, 2052-2061.	0.8	13
53	Recyclable calix[4]arene-lanthanoid luminescent hybrid materials with color-tuning and color-switching properties. <i>Dalton Transactions</i> , 2013, 42, 6894.	1.6	13
54	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.	1.0	12

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55	Blue emitting C2-symmetrical dibenzothiazolyl substituted pyrrole, furan and thiophene. Journal of Materials Chemistry C, 2013, 1, 2209.	2.7	12
56	Probing the effect of $\beta^2$ -triketones in visible and NIR emitting lanthanoid complexes. Dalton Transactions, 2018, 47, 7956-7964.	1.6	12
57	Versatility of Terpyridine-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
58	Luminescent protein staining with $\text{Re}(\text{I})$ tetrazolato complexes. Dalton Transactions, 2018, 47, 9400-9410.	1.6	11
59	New heterometallic $\text{Ir}(\text{III})_2\text{Eu}(\text{III})$ complexes: white light emission from a single molecule. Dalton Transactions, 2015, 44, 37-40.	1.6	10
60	Neutral $\text{Re}(\text{I})$ Complex Platform for Live Intracellular Imaging. Inorganic Chemistry, 2021, 60, 10173-10185.	1.9	10
61	High efficiency electroluminescence devices using a series of $\text{Ir}(\text{III})$ -tetrazolate phosphors: Mechanisms for the drive current evolution of quantum yield. Applied Physics Letters, 2009, 94, 083306.	1.5	9
62	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
63	Spectroscopic and Molecular Docking Study of the Interaction between Neutral $\text{Re}(\text{I})$ Tetrazolate Complexes and Bovine Serum Albumin. Chemistry - A European Journal, 2021, 27, 11406-11417.	1.7	9
64	Colourless luminescent solar concentrators based on Iridium(III)-Phosphors. Dyes and Pigments, 2021, 193, 109532.	2.0	9
65	Photophysical and biological investigation of phenol substituted rhenium tetrazolato complexes. Dalton Transactions, 2019, 48, 15613-15624.	1.6	8
66	Coordinating properties of $[\text{M}(\text{CO})_5(\text{CN})]^-$ [ $\text{M}=\text{Cr}; \text{Mo}; \text{W}$ ] ligands: formation of ion pairs or dinuclear cyanide-bridged complexes, spectroscopic and X-ray diffraction studies. Journal of Organometallic Chemistry, 2004, 689, 2324-2337.	0.8	7
67	The stepwise generation of multimetallic complexes based on a vinylbipyridine linkage and their photophysical properties. Dalton Transactions, 2017, 46, 5558-5570.	1.6	7
68	Encapsulation of cationic iridium(III) tetrazole complexes into a silica matrix: synthesis, characterization and optical properties. New Journal of Chemistry, 2018, 42, 9635-9644.	1.4	6
69	Bimetallic $\text{Fe}-\text{Cu}$ Carbido Carbonyl Clusters Obtained from the Reactions of $[\text{Fe}_4\text{C}(\text{CO})_{12}\{\text{Cu}(\text{MeCN})_2\}_2]$ with N-Donor Ligands. Journal of Cluster Science, 2016, 27, 431-456.	1.7	5
70	Superacid Aquivion <sup>®</sup> PFSA as an efficient catalyst for the gas phase dehydration of ethanol to ethylene in mild conditions. Applied Catalysis A: General, 2020, 597, 117544.	2.2	5
71	Ionophoric properties of a tetra-tetrazole functionalised calix[4]arene. Supramolecular Chemistry, 2015, 27, 787-791.	1.5	4
72	Heteromultimetallic compounds based on polyfunctional carboxylate linkers. New Journal of Chemistry, 2019, 43, 3199-3207.	1.4	4

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73	New examples of Ru(II)-tetrazolato complexes as thiocyanate-free sensitizers for dye-sensitized solar cells. Dalton Transactions, 2020, 49, 14543-14555.	1.6	4
74	Antibacterial activity of a new class of tris homoleptic Ru (II) complexes with alkyl tetrazoles as diimine-type ligands. Applied Organometallic Chemistry, 2020, 34, e5806.	1.7	4
75	Photophysical and Biological Properties of Iridium Tetrazolato Complexes Functionalised with Fatty Acid Chains. Inorganics, 2020, 8, 23.	1.2	4
76	Highly twisted carbazole-borane derivatives: B-N stereodynamic analysis and consequences on their emission properties. Organic Chemistry Frontiers, 2021, 8, 4496-4507.	2.3	4
77	Structure illumination microscopy imaging of lipid vesicles in live bacteria with naphthalimide-appended organometallic complexes. Analyst, The, 2021, 146, 3818-3822.	1.7	4
78	Rhenium(I) conjugates as tools for tracking cholesterol in cells. Metallomics, 2022, 14, .	1.0	4
79	Use of Cotton Textiles Coated by Ir(III) Tetrazole Complexes within Ceramic Silica Nanophases for Photo-Induced Self-Marker and Antibacterial Application. Nanomaterials, 2020, 10, 1020.	1.9	3
80	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.	0.8	2
81	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. Inorganica Chimica Acta, 2021, 518, 120244.	1.2	2