Erwan Galardon

List of Publications by Year
in descending order

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49 papers	1,618 citations	304743 22 h-index	289244 40 g-index
62 all docs	62 docs citations	62 times ranked	1899 citing authors

#	Article	IF	Citations
1	Improved tag-switch method reveals that thioredoxin acts as depersulfidase and controls the intracellular levels of protein persulfidation. Chemical Science, 2016, 7, 3414-3426.	7.4	175
2	Profound Steric Control of Reactivity in Aryl Halide Addition to Bisphosphane Palladium(0) Complexes. Angewandte Chemie - International Edition, 2002, 41, 1760-1763.	13.8	152
3	Cyclopropanation of Alkenes, Nâ€“H and Sâ€“H Insertion of Ethyl Diazoacetate Catalysed by Ruthenium Porphyrin Complexes. Tetrahedron, 2000, 56, 615-621.	1.9	101
4	A Persulfide Analogue of the Nitrosothiol SNAP: Formation, Characterization and Reactivity. ChemBioChem, 2014, 15, 2361-2364.	2.6	91
5	Cyclopropanation of alkenes with ethyl diazoacetate catalysed by ruthenium porphyrin complexes. Chemical Communications, 1997, , 927-928.	4.1	85
6	Synthesis, Crystal Structure, and Reactivity of (5,10,15,20-Tetraphenylporphyrinato)ruthenium(II) (Diethoxycarbonyl)carbene Methanol. Organometallics, 1998, 17, 565-569.	2.3	85
7	Asymmetric cyclopropanation of alkenes and diazocarbonyl insertion into Sî—¸H bonds catalyzed by a chiral porphyrin Ru(II) complex. Tetrahedron Letters, 1998, 39, 2333-2334.	1.4	83
8	Insertion of ethyl diazoacetate into Nâ€“H and Sâ€“H bonds catalyzed by ruthenium porphyrin complexes. Journal of the Chemical Society Perkin Transactions 1, 1997, , 2455-2456.	0.9	68
9	New fluorescent zinc complexes: towards specific sensors for hydrogen sulfide in solution. Dalton Transactions, 2009, , 9126.	3.3	62
10	New Biologically Active Hydrogen Sulfide Donors. ChemBioChem, 2013, 14, 2268-2271.	2.6	58
11	Competing Regiochemical Pathways in the Heck Arylation of 1,2-Dihydronaphthalene. Advanced Synthesis and Catalysis, 2002, 344, 104.	4.3	48
12	Rutheniumâ€“porphyrin-catalyzed carbenoid addition to allylic compounds: application to [2,3]-sigmatropic rearrangements of ylides. Journal of Organometallic Chemistry, 2001, 617-618, 360-363.	1.8	45
13	Synthesis, Characterization, and Reactivity of Alkyldisulfanido Zinc Complexes. Inorganic Chemistry, 2009, 48, 5921-5927.	4.0	41
14	Oxygenation of thiolates to S-bonded sulfinate in an iron(iii) complex related to nitrile hydratase. Chemical Communications, 2004, , 286.	4.1	31
15	Synthesis of a Fe^{II}SH Complex Stabilized by an Intramolecular Nâ€“HÂ·Â·Â·S Hydrogen Bond, Which Acts as a H₂S Donor. Inorganic Chemistry, 2012, 51, 10068-10070.	4.0	30
16	Sulfheme formation during homocysteine S-oxygenation by catalase in cancers and neurodegenerative diseases. Nature Communications, 2016, 7, 13386.	12.8	30
17	Direct Synthesis of a Thiolato-S and Sulfinato-S CoIII Complex Related to the Active Site of Nitrile Hydratase: A Pathway to the Post-Translational Oxidation of the Protein. Angewandte Chemie - International Edition, 2005, 44, 6162-6165.	13.8	29
18	Reversible Detection and Quantification of Hydrogen Sulfide by Fluorescence Using the Hemoglobin I from Lucina pectinata. ACS Sensors, 2018, 3, 2138-2144.	7.8	28

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19	Chiral recognition of amino esters by a ruthenium porphyrin complex: kinetics of the exchange process determined by 1H NMR. Tetrahedron: Asymmetry, 1999, 10, 4203-4210.	1.8	27
20	Reverse Regulatory Pathway (H2S / PGE2 / MMP) in Human Aortic Aneurysm and Saphenous Vein Varicosity. PLoS ONE, 2016, 11, e0158421.	2.5	26
21	New Peptide-Based Antimicrobials for Tackling Drug Resistance in Bacteria: Single-Cell Fluorescence Imaging. ACS Medicinal Chemistry Letters, 2013, 4, 556-559.	2.8	23
22	Synthesis of cyclic mono- and bis-disulfides and their selective conversion to mono- and bis-thiosulfinates. Tetrahedron, 2007, 63, 2466-2471.	1.9	22
23	Reactivity of Persulfides Toward Strained Bicyclo[6.1.0]nonyne Derivatives: Relevance to Chemical Tagging of Proteins. Bioconjugate Chemistry, 2015, 26, 1013-1016.	3.6	22
24	Synthesis and characterisation of a new chiral ruthenium picket-fence porphyrin and its use in chiral recognition of racemic isocyanides. Tetrahedron Letters, 1999, 40, 2753-2756.	1.4	21
25	Reactions of persulfides with the heme cofactor of oxidized myoglobin and microperoxidase 11: reduction or coordination. Dalton Transactions, 2017, 46, 7939-7946.	3.3	20
26	Opposing effects of polysulfides and thioredoxin on apoptosis through caspase persulfidation. Journal of Biological Chemistry, 2020, 295, 3590-3600.	3.4	20
27	Modeling the inhibition of peptide deformylase by hydroxamic acids: influence of the sulfur donor. Dalton Transactions, 2007, , 1047.	3.3	19
28	Oxidation of Zn(N2S2) complexes to disulfonates: relevance to zinc-finger oxidation under oxidative stress. Journal of Inorganic Biochemistry, 2005, 99, 690-697.	3.5	15
29	Electrophilic sulfhydration of 8-nitro-cGMP involves sulfane sulfur. Organic and Biomolecular Chemistry, 2014, 12, 5360-5364.	2.8	15
30	Reductive Metalation of Cyclic and Acyclic Pseudopeptidic Bis-Disulfides and Back Conversion of the Resulting Diamidato/Dithiolato Complexes to Bis-Disulfides. Inorganic Chemistry, 2010, 49, 8637-8644.	4.0	14
31	New Peptides with Metal Binding Abilities and Their Use as Drug Carriers. Bioconjugate Chemistry, 2014, 25, 1811-1819.	3.6	14
32	Self-Assembled Molecular Wires from Organoiron Metalloligands and Ruthenium Tetramesitylporphyrin. Inorganic Chemistry, 2010, 49, 9101-9103.	4.0	12
33	Characterization of Cobalt(III) Hydroxamic Acid Complexes Based on a Tris(2-pyridylmethyl)amine Scaffold: Reactivity toward Cysteine Methyl Ester. Inorganic Chemistry, 2012, 51, 9350-9356.	4.0	12
34	Metalation of Cyclic Pseudopeptidic Thiosulfinates with Ni(II) and Zn(II) after Ring Opening:Â A Mechanistic Investigation. Inorganic Chemistry, 2007, 46, 4515-4522.	4.0	11
35	Synthesis, Stability, and Reactivity of [(TPA)Zn(SH)]+ in Aqueous and Organic Solutions. European Journal of Inorganic Chemistry, 2011, 2011, n/a-n/a.	2.0	10
36	Positive feedback during sulfide oxidation fine-tunes cellular affinity for oxygen. Biochimica Et Biophysica Acta - Bioenergetics, 2016, 1857, 1464-1472.	1.0	9

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37	1H-NMR and EPR studies of the electronic structure of low-spin ruthenium(III) isocyanide porphyrin complexes: unusual (dxz,dyz)4 (dxy)1 configuration. Journal of Organometallic Chemistry, 2001, 629, 145-152.	1.8	8
38	Interplay of synthesis and mechanism in asymmetric homogeneous catalysis. Pure and Applied Chemistry, 2001, 73, 343-346.	1.9	8
39	An optical H2S biosensor based on the chemoselective Hb-I protein tethered to a transparent, high surface area nanocolumnar electrode. Sensors and Actuators B: Chemical, 2019, 290, 326-335.	7.8	8
40	Characterization of the Inducible and Slow-Releasing Hydrogen Sulfide and Persulfide Donor P*: Insights into Hydrogen Sulfide Signaling. Antioxidants, 2021, 10, 1049.	5.1	7
41	Influence of the diamine on the reactivity of thiosulfonato ruthenium complexes with hydrosulfide (HS^{â˜’}). Dalton Transactions, 2013, 42, 2817-2821.	3.3	6
42	An Alternate Route to Disulfanido Complexes by Nucleophilic Attack of Thiolates on Ruthenium-Bound Thiosulfonato Ligands. Inorganic Chemistry, 2010, 49, 9119-9121.	4.0	5
43	Bis[(R)-1-phenylethyl isocyanido](5,10,15,20-tetrakis{2,6-bis[(S)-2,2-dimethyl-1,3-dioxolan-4-ylmethyloxy]phenyl}porphyrin)ruthenium(II) at 110â€…K. Acta Crystallographica Section C: Crystal Structure Communications, 2000, 56, 955-956.	0.4	4
44	Influence of carboxamido nitrogen donors on the redox potential of copper(III) complexes. Journal of Coordination Chemistry, 2009, 62, 2472-2479.	2.2	4
45	Synthesis and anti-proliferative activities of ruthenium complexes containing the hydrogen sulfide-releasing ligand GYY4137. Journal of Organometallic Chemistry, 2017, 843, 26-31.	1.8	3
46	Molecular Basis for the Interaction of Catalase with <scp>d</scp>-Penicillamine: Rationalization of Some of Its Deleterious Effects. Chemical Research in Toxicology, 2022, 35, 412-421.	3.3	3
47	Synthesis and characterization of mononuclear hydroxamato and hydroximato complexes of iron(iii) based on the tris-(2-pyridylmethyl)amine ligand. Dalton Transactions, 2008, , 6415.	3.3	2
48	Synthesis, Characterisation and Reactivity of 3â€²Mercaptopyruvic Acid. ChemBioChem, 2018, 19, 1702-1705.	2.6	1
49	Efficient C3-alkylsulfenylation of indoles under mild conditions using Lewis acid-activated 8-quinolinethiosulfonates. Tetrahedron Letters, 2021, 65, 152748.	1.4	1