

# 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	Molecular Basis for the Interaction of Catalase with $\alpha$ -Penicillamine: Rationalization of Some of Its Deleterious Effects. <i>Chemical Research in Toxicology</i> , 2022, 35, 412-421.	3.3	3
2	Efficient C3-alkylsulfenylation of indoles under mild conditions using Lewis acid-activated 8-quinolinethiosulfonates. <i>Tetrahedron Letters</i> , 2021, 65, 152748.	1.4	1
3	Characterization of the Inducible and Slow-Releasing Hydrogen Sulfide and Persulfide Donor P*: Insights into Hydrogen Sulfide Signaling. <i>Antioxidants</i> , 2021, 10, 1049.	5.1	7
4	Opposing effects of polysulfides and thioredoxin on apoptosis through caspase persulfidation. <i>Journal of Biological Chemistry</i> , 2020, 295, 3590-3600.	3.4	20
5	An optical H <sub>2</sub> S biosensor based on the chemoselective Hb-I protein tethered to a transparent, high surface area nanocolumnar electrode. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 326-335.	7.8	8
6	Reversible Detection and Quantification of Hydrogen Sulfide by Fluorescence Using the Hemoglobin I from <i>Lucina pectinata</i> . <i>ACS Sensors</i> , 2018, 3, 2138-2144.	7.8	28
7	Synthesis, Characterisation and Reactivity of 3-mercaptopyruvic Acid. <i>ChemBioChem</i> , 2018, 19, 1702-1705.	2.6	1
8	Synthesis and anti-proliferative activities of ruthenium complexes containing the hydrogen sulfide-releasing ligand GYY4137. <i>Journal of Organometallic Chemistry</i> , 2017, 843, 26-31.	1.8	3
9	Reactions of persulfides with the heme cofactor of oxidized myoglobin and microperoxidase 11: reduction or coordination. <i>Dalton Transactions</i> , 2017, 46, 7939-7946.	3.3	20
10	Reverse Regulatory Pathway (H <sub>2</sub> S / PGE <sub>2</sub> / MMP) in Human Aortic Aneurysm and Saphenous Vein Varicosity. <i>PLoS ONE</i> , 2016, 11, e0158421.	2.5	26
11	Positive feedback during sulfide oxidation fine-tunes cellular affinity for oxygen. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2016, 1857, 1464-1472.	1.0	9
12	Sulfheme formation during homocysteine S-oxygenation by catalase in cancers and neurodegenerative diseases. <i>Nature Communications</i> , 2016, 7, 13386.	12.8	30
13	Improved tag-switch method reveals that thioredoxin acts as depersulfidase and controls the intracellular levels of protein persulfidation. <i>Chemical Science</i> , 2016, 7, 3414-3426.	7.4	175
14	Reactivity of Persulfides Toward Strained Bicyclo[6.1.0]nonyne Derivatives: Relevance to Chemical Tagging of Proteins. <i>Bioconjugate Chemistry</i> , 2015, 26, 1013-1016.	3.6	22
15	Electrophilic sulfhydration of 8-nitro-cGMP involves sulfane sulfur. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 5360-5364.	2.8	15
16	A Persulfide Analogue of the Nitrosothiol SNAP: Formation, Characterization and Reactivity. <i>ChemBioChem</i> , 2014, 15, 2361-2364.	2.6	91
17	New Peptides with Metal Binding Abilities and Their Use as Drug Carriers. <i>Bioconjugate Chemistry</i> , 2014, 25, 1811-1819.	3.6	14
18	Influence of the diamine on the reactivity of thiosulfonato ruthenium complexes with hydrosulfide (HS <sup>-</sup> ). <i>Dalton Transactions</i> , 2013, 42, 2817-2821.	3.3	6

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19	New Peptide-Based Antimicrobials for Tackling Drug Resistance in Bacteria: Single-Cell Fluorescence Imaging. <i>ACS Medicinal Chemistry Letters</i> , 2013, 4, 556-559.	2.8	23
20	New Biologically Active Hydrogen Sulfide Donors. <i>ChemBioChem</i> , 2013, 14, 2268-2271.	2.6	58
21	Synthesis of a Fe <sup>II</sup> /SH Complex Stabilized by an Intramolecular N-H...S Hydrogen Bond, Which Acts as a H <sub>2</sub> S Donor. <i>Inorganic Chemistry</i> , 2012, 51, 10068-10070.	4.0	30
22	Characterization of Cobalt(III) Hydroxamic Acid Complexes Based on a Tris(2-pyridylmethyl)amine Scaffold: Reactivity toward Cysteine Methyl Ester. <i>Inorganic Chemistry</i> , 2012, 51, 9350-9356.	4.0	12
23	Synthesis, Stability, and Reactivity of [(TPA)Zn(SH)] <sup>+</sup> in Aqueous and Organic Solutions. <i>European Journal of Inorganic Chemistry</i> , 2011, 2011, n/a-n/a.	2.0	10
24	An Alternate Route to Disulfanido Complexes by Nucleophilic Attack of Thiolates on Ruthenium-Bound Thiosulfonato Ligands. <i>Inorganic Chemistry</i> , 2010, 49, 9119-9121.	4.0	5
25	Self-Assembled Molecular Wires from Organoiron Metalloligands and Ruthenium Tetramesitylporphyrin. <i>Inorganic Chemistry</i> , 2010, 49, 9101-9103.	4.0	12
26	Reductive Metalation of Cyclic and Acyclic Pseudopeptidic Bis-Disulfides and Back Conversion of the Resulting Diamidato/Dithiolato Complexes to Bis-Disulfides. <i>Inorganic Chemistry</i> , 2010, 49, 8637-8644.	4.0	14
27	Synthesis, Characterization, and Reactivity of Alkyldisulfanido Zinc Complexes. <i>Inorganic Chemistry</i> , 2009, 48, 5921-5927.	4.0	41
28	Influence of carboxamido nitrogen donors on the redox potential of copper(III) complexes. <i>Journal of Coordination Chemistry</i> , 2009, 62, 2472-2479.	2.2	4
29	New fluorescent zinc complexes: towards specific sensors for hydrogen sulfide in solution. <i>Dalton Transactions</i> , 2009, , 9126.	3.3	62
30	Synthesis and characterization of mononuclear hydroxamato and hydroximato complexes of iron(III) based on the tris-(2-pyridylmethyl)amine ligand. <i>Dalton Transactions</i> , 2008, , 6415.	3.3	2
31	Metalation of Cyclic Pseudopeptidic Thiosulfonates with Ni(II) and Zn(II) after Ring Opening: A Mechanistic Investigation. <i>Inorganic Chemistry</i> , 2007, 46, 4515-4522.	4.0	11
32	Modeling the inhibition of peptide deformylase by hydroxamic acids: influence of the sulfur donor. <i>Dalton Transactions</i> , 2007, , 1047.	3.3	19
33	Synthesis of cyclic mono- and bis-disulfides and their selective conversion to mono- and bis-thiosulfonates. <i>Tetrahedron</i> , 2007, 63, 2466-2471.	1.9	22
34	Direct Synthesis of a Thiolato-S and Sulfinato-S Co(III) Complex Related to the Active Site of Nitrile Hydratase: A Pathway to the Post-Translational Oxidation of the Protein. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 6162-6165.	13.8	29
35	Oxidation of Zn(N <sub>2</sub> S <sub>2</sub> ) complexes to disulfonates: relevance to zinc-finger oxidation under oxidative stress. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 690-697.	3.5	15
36	Oxygenation of thiolates to S-bonded sulfinate in an iron(III) complex related to nitrile hydratase. <i>Chemical Communications</i> , 2004, , 286.	4.1	31

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37	Profound Steric Control of Reactivity in Aryl Halide Addition to Bisphosphane Palladium(0) Complexes. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 1760-1763.	13.8	152
38	Competing Regiochemical Pathways in the Heck Arylation of 1,2-Dihydronaphthalene. <i>Advanced Synthesis and Catalysis</i> , 2002, 344, 104.	4.3	48
39	Ruthenium <sup>II</sup> porphyrin-catalyzed carbenoid addition to allylic compounds: application to [2,3]-sigmatropic rearrangements of ylides. <i>Journal of Organometallic Chemistry</i> , 2001, 617-618, 360-363.	1.8	45
40	<sup>1</sup> H-NMR and EPR studies of the electronic structure of low-spin ruthenium(III) isocyanide porphyrin complexes: unusual (dxz,dyz) <sup>4</sup> (dxy) <sup>1</sup> configuration. <i>Journal of Organometallic Chemistry</i> , 2001, 629, 145-152.	1.8	8
41	Interplay of synthesis and mechanism in asymmetric homogeneous catalysis. <i>Pure and Applied Chemistry</i> , 2001, 73, 343-346.	1.9	8
42	Cyclopropanation of Alkenes, N <sup>+</sup> H and S <sup>+</sup> H Insertion of Ethyl Diazoacetate Catalysed by Ruthenium Porphyrin Complexes. <i>Tetrahedron</i> , 2000, 56, 615-621.	1.9	101
43	Bis[(R)-1-phenylethyl isocyanido](5,10,15,20-tetrakis[2,6-bis[(S)-2,2-dimethyl-1,3-dioxolan-4-ylmethoxy]phenyl]porphyrin)ruthenium(II).4 at 110 <sup>+</sup> ...K. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2000, 56, 955-956.		4
44	Synthesis and characterisation of a new chiral ruthenium picket-fence porphyrin and its use in chiral recognition of racemic isocyanides. <i>Tetrahedron Letters</i> , 1999, 40, 2753-2756.	1.4	21
45	Chiral recognition of amino esters by a ruthenium porphyrin complex: kinetics of the exchange process determined by <sup>1</sup> H NMR. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 4203-4210.	1.8	27
46	Asymmetric cyclopropanation of alkenes and diazocarbonyl insertion into Si-H bonds catalyzed by a chiral porphyrin Ru(II) complex. <i>Tetrahedron Letters</i> , 1998, 39, 2333-2334.	1.4	83
47	Synthesis, Crystal Structure, and Reactivity of (5,10,15,20-Tetraphenylporphyrinato)ruthenium(II) (Diethoxycarbonyl)carbene Methanol. <i>Organometallics</i> , 1998, 17, 565-569.	2.3	85
48	Insertion of ethyl diazoacetate into N <sup>+</sup> H and S <sup>+</sup> H bonds catalyzed by ruthenium porphyrin complexes. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1997, , 2455-2456.	0.9	68
49	Cyclopropanation of alkenes with ethyl diazoacetate catalysed by ruthenium porphyrin complexes. <i>Chemical Communications</i> , 1997, , 927-928.	4.1	85