

# Stephane A Baudron

## List of Publications by Citations

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64  
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40  
g-index

68  
ext. papers

1,884  
ext. citations

5.2  
avg, IF

5.29  
L-index

#	Paper	IF	Citations
64	Luminescent dipyrin based metal complexes. <i>Dalton Transactions</i> , <b>2013</b> , 42, 7498-509	4.3	116
63	Dipyrin based homo- and hetero-metallic infinite architectures. <i>CrystEngComm</i> , <b>2010</b> , 12, 2288	3.3	83
62	Dipyrin based luminescent cyclometallated palladium and platinum complexes. <i>Dalton Transactions</i> , <b>2010</b> , 180-4	4.3	80
61	(EDT-TTF-CONH <sub>2</sub> ) <sub>6</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ], a metallic Kagome-type organic-inorganic hybrid compound: electronic instability, molecular motion, and charge localization. <i>Journal of the American Chemical Society</i> , <b>2005</b> , 127, 11785-97	16.4	78
60	Beyond classical coordination: silver- $\pi$ interactions in metal dipyrin complexes. <i>Chemical Communications</i> , <b>2007</b> , 2252-4	5.8	72
59	Binuclear manganese compounds of potential biological significance. 1. Syntheses and structural, magnetic, and electrochemical properties of dimanganese(II) and -(II,III) complexes of a bridging unsymmetrical phenolate ligand. <i>Inorganic Chemistry</i> , <b>2003</b> , 42, 750-60	5.1	66
58	Many faces of dipyrins: from hydrogen-bonded networks to homo- and heteronuclear metallamacrocycles. <i>Inorganic Chemistry</i> , <b>2008</b> , 47, 766-8	5.1	65
57	Assembly of heteroleptic copper complexes with silver salts: from discrete trinuclear complexes to infinite networks. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 331-8	5.1	63
56	Cluster-to-metal magnetic coupling: synthesis and characterization of 25-electron [Re <sub>6</sub> -nOs <sub>n</sub> Se <sub>8</sub> (CN) <sub>6</sub> ](5-n)-(n = 1, 2) clusters and (Re <sub>6</sub> -nOs <sub>n</sub> Se <sub>8</sub> [CNCu(Me <sub>6</sub> tren)] <sub>6</sub> ) <sup>9+</sup> (n = 0, 1, 2) assemblies. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 15543-53	16.4	62
55	Singular crystalline beta-layered topologies directed by ribbons of self-complementary amide...amide ring motifs in [EDT-TTF-(CONH <sub>2</sub> ) <sub>2</sub> ] <sub>2</sub> (2)X (X = HSO <sub>4</sub> (-), ClO <sub>4</sub> (-), ReO <sub>4</sub> (-), AsF <sub>6</sub> (-)): coupled activation of ribbon curvature, electron interactions, and magnetic susceptibility. <i>Journal of the American Chemical Society</i> , <b>2003</b> , 125, 11583-90	16.4	59
54	Heterometallic coordination polymers incorporating dipyrin based heteroleptic copper and cobalt complexes: to Ag- $\pi$ or not?. <i>Dalton Transactions</i> , <b>2012</b> , 41, 7227-34	4.3	57
53	Excited state properties and energy transfer within dipyrin-based binuclear iridium/platinum dyads: the effect of ortho-methylation on the spacer. <i>Chemistry - A European Journal</i> , <b>2012</b> , 18, 4041-50	4.8	53
52	Heterometallic architectures based on the combination of heteroleptic copper and cobalt complexes with silver salts. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 11231-9	5.1	53
51	Combination of primary amide and dipyrin for the elaboration of extended architectures built upon both coordination and hydrogen bonding. <i>CrystEngComm</i> , <b>2009</b> , 11, 1245	3.3	46
50	Carboxylic acid appended dipyrin for the formation of a hexanuclear iridium/copper paddlewheel complex. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 8659-61	5.1	45
49	Structural isomerism in crystals of redox-active secondary ortho-diamides: the role of competing intra- and intermolecular hydrogen bonds in directing crystalline topologies. <i>Chemistry - A European Journal</i> , <b>2004</b> , 10, 4498-511	4.8	45
48	Sequential generation of one-dimensional networks based on a differentiated bischelate-type ligand bearing both 4,5-diazafluorene and dithiolene units. <i>Inorganic Chemistry</i> , <b>2006</b> , 45, 5260-2	5.1	40

47	A silver bite: crystalline heterometallic architectures based on Ag-π interactions with a bis-dipyrrin zinc helicate. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 2449-53	4.8	38
46	From sequential to one-pot synthesis of dipyrrin based grid-type mixed metal-organic frameworks. <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 14439-48	5.1	38
45	Jahn-Teller distortion of the open-shell 23-electron chalcogenide rhenium cluster cores in crystals of the series, ([Re <sub>6</sub> Q <sub>8</sub> ] <sup>3+</sup> (X-) <sub>6</sub> ) <sup>3-</sup> (Q = S, Se; X = Cl, CN). <i>Chemical Communications</i> , <b>2002</b> , 2124-5	5.8	37
44	Stepwise construction of grid-type Cu(II)-Cd(II) heterometallic MOFs based on an imidazole-appended dipyrrin ligand. <i>Chemical Communications</i> , <b>2012</b> , 48, 10313-5	5.8	36
43	Luminescent coordination polymers based on self-assembled cadmium dipyrrin complexes. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 3215-23	4.8	35
42	Combination of hydrogen and coordination bonding for the construction of one-dimensional networks based on a 7-azaindole appended dipyrrin. <i>CrystEngComm</i> , <b>2010</b> , 12, 2238	3.3	34
41	Luminescent metal-organic frameworks based on dipyrromethene metal complexes and BODIPYs. <i>CrystEngComm</i> , <b>2016</b> , 18, 4671-4680	3.3	32
40	Assembly, disassembly, and reassembly: conversion of homometallic coordination networks into mixed metal-organic frameworks. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 2032-9	5.1	29
39	On Zn(II) 2,2'-bis(dipyrrin) circular helicates. <i>Chemical Communications</i> , <b>2015</b> , 51, 5906-9	5.8	27
38	A straightforward synthesis of diverse nickel dithiolene complexes appended with hydrogen-bond donor/acceptor groups. <i>Inorganic Chemistry</i> , <b>2005</b> , 44, 3380-2	5.1	27
37	Dipyrrin based silver [2 + 2] metallamacrocycles. <i>Dalton Transactions</i> , <b>2011</b> , 40, 437-45	4.3	24
36	A stepwise approach to the formation of heterometallic discrete complexes and infinite architectures. <i>Dalton Transactions</i> , <b>2007</b> , 1129-39	4.3	22
35	Dithiolate-appended iridium(III) complex with dual functions of reducing and capping agent for the design of small-sized gold nanoparticles. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 6501-4	16.4	21
34	Modular construction of a series of heteronuclear metallamacrocycles. <i>Chemical Communications</i> , <b>2008</b> , 4558-60	5.8	19
33	Pre-organization of clefts for Ag-π interactions in Zn(II) bisdipyrrin helicates for the construction of heterometallic networks. <i>Chemical Communications</i> , <b>2016</b> , 52, 13000-13003	5.8	19
32	Interdependence of redox state, hydrogen bonding, anion recognition and charge partition in crystals of (EDT-TTF-CONHMe) <sub>6</sub> [Re <sub>6</sub> Se <sub>8</sub> (CN) <sub>6</sub> ](CH <sub>3</sub> CN) <sub>2</sub> (CH <sub>2</sub> Cl) <sub>2</sub> . <i>Chemical Communications</i> , <b>2003</b> , 1820-1	5.8	18
31	Water nanodroplets confined in molecular nanobeakers. <i>Surface Science</i> , <b>2005</b> , 588, 41-48	1.8	18
30	Ag(I)-π interactions with pyrrolic derivatives. <i>Coordination Chemistry Reviews</i> , <b>2019</b> , 380, 318-329	23.2	18

29	Octanuclear Cu(I) cubic complex decorated with six peripheral chelates. <i>New Journal of Chemistry</i> , <b>2006</b> , 30, 1083	3.6	17
28	Rigid yet flexible heteroleptic Co(III) dipyrin complexes for the construction of heterometallic 1- and 2-D coordination polymers. <i>CrystEngComm</i> , <b>2014</b> , 16, 4973-4980	3.3	16
27	Solvent and anion effects on the organization of a luminescent [2 + 2] BODIPY/Ag(I) metallamacrocycle in the crystalline state. <i>CrystEngComm</i> , <b>2017</b> , 19, 4393-4400	3.3	15
26	Interplay of Charge Transfer, Dimensionality, and Amide Hydrogen Bond Network Adaptability in TCNQF4 Complexes of EDO-TTF-CONH <sub>2</sub> and EDT-TTF-CONH <sub>2</sub> . <i>Journal of Solid State Chemistry</i> , <b>2002</b> , 168, 668-674	3.3	15
25	Ni(II) dipyrin complexes bearing peripheral pyridyl or imidazolyl groups self-assemble into 2- and 3-D coordination polymers. <i>CrystEngComm</i> , <b>2013</b> , 15, 5980	3.3	14
24	Arranging up to six ferrocene carboxamides around metal centres. <i>Dalton Transactions</i> , <b>2007</b> , 565-9	4.3	12
23	From insertion of rhodium acetate paddlewheels into functionalized 7-azaindole hydrogen-bonded dimers to infinite architectures. <i>Dalton Transactions</i> , <b>2011</b> , 40, 7403-11	4.3	9
22	Dipyrin based metal complexes: reactivity and catalysis. <i>Dalton Transactions</i> , <b>2020</b> , 49, 6161-6175	4.3	9
21	AzaBODIPY based coordination polymers. <i>CrystEngComm</i> , <b>2017</b> , 19, 897-900	3.3	8
20	Interdigitated conducting tetrathiafulvalene-based coordination networks. <i>Chemical Communications</i> , <b>2020</b> , 56, 2407-2410	5.8	8
19	Transport properties of monocrystalline microwires of EDT-TTF(CONHMe) <sub>2</sub> and (TMTSF) <sub>2</sub> C <sub>10</sub> O <sub>4</sub> . <i>Synthetic Metals</i> , <b>2004</b> , 146, 273-277	3.6	8
18	Symmetrical and dissymmetrical 2,2'-bis-dipyrin ligands and Zn(II) binuclear helicates. <i>New Journal of Chemistry</i> , <b>2018</b> , 42, 6997-7004	3.6	6
17	From discrete tricyanovinylene appended 7-azaindole copper(II) paddlewheel to an infinite 1D network: Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , <b>2013</b> , 52, 1329-1335	2.7	6
16	HKUST-1 MOF in reline deep eutectic solvent: synthesis and phase transformation. <i>Dalton Transactions</i> , <b>2021</b> , 50, 4145-4151	4.3	6
15	Tetrathiopyridyl-tetrathiafulvalene-based Cd(II) coordination polymers: one ligand, one metal cation, many possibilities. <i>New Journal of Chemistry</i> , <b>2019</b> , 43, 14291-14298	3.6	5
14	Deep eutectic solvents for the preparation and post-synthetic modification of metal- and covalent organic frameworks. <i>CrystEngComm</i> , <b>2021</b> , 23, 5016-5032	3.3	5
13	Strapping a benzaldehyde-appended 2,2'-bis-dipyrin Zn(ii) double-stranded helicate using imine bond formation. <i>Dalton Transactions</i> , <b>2019</b> , 48, 4105-4108	4.3	4
12	Crystalline patterns and band structure dimensionality in a series of conducting hybrids associating amide-functionalized EDT-TTF donors with the isosteric octahedral anions [FeNO(CN) <sub>5</sub> ] <sup>2-</sup> and [M(CN) <sub>6</sub> ] <sup>3-</sup> [M = Co, Fe]. <i>Synthetic Metals</i> , <b>2005</b> , 155, 527-538	3.6	4

- 11 Synthesis, crystal structure and optical properties of a series of dipyrrens bearing peripheral coordinating groups and their BODIPYs and Zn(II) complexes. *Inorganica Chimica Acta*, **2019**, 494, 216-222.7 3
- 10 Bis(tetraphenylphosphonium) bis[*cis*-1,2-bis(methoxycarbonyl)ethylenedithiolato-kappa2S,S']nickelate(II) and bis(tetraphenylphosphonium) bis[*cis*-1,2-bis(methoxycarbonyl)ethylenedithiolato-kappa2S,S']nickelate(III) iodide. *Acta Cryst. B*, **2019**, 45, 100-107.7 3
- 9 Gleaned snapshots on the road to coordination polymers: heterometallic architectures based on Cu(I) metallaclips and 2,2'bis-dipyrin metalloligands. *Chemical Communications*, **2020**, 56, 10501-10504 5.8 3
- 8 Heterometallic coordination polymers based on homo- and heteroleptic Au(III) dithiolene complexes. *CrystEngComm*, **2020**, 22, 5760-5767 3.3 3
- 7 Revisiting Ag<sup>+</sup> Interactions with bis((pyrrol-2-yl)methylene)hydrazine: CC versus CN bond complexation. *CrystEngComm*, **2019**, 21, 1853-1856 3.3 3
- 6 A Ni-2,2'-bisdipyrinato complex as a potential sensitizer: synthesis and photoelectrochemical characterization. *New Journal of Chemistry*, **2017**, 41, 15021-15026 3.6 2
- 5 Construction of hydrogen bonding and coordination networks based on ethynylpyridine-appended nucleobases. *CrystEngComm*, **2021**, 23, 944-954 3.3 2
- 4 Coordination assemblies based on a flexible tetrathiafulvalene derivative. *Polyhedron*, **2021**, 198, 115047.7 1
- 3 Differentiated Ligands for the Sequential Construction of Crystalline Heterometallic Assemblies **2010**, 263-282 0
- 2 Ionothermal synthesis of calcium-based metal-organic frameworks in a deep eutectic solvent. *CrystEngComm*, **2022**, 24, 601-608 3.3 0
- 1 Photocycloadditions of Arenes Derived from Lignin. *Journal of Organic Chemistry*, **2021**, 86, 13310-13321.4.2 0