

Stéphane A Baudron

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3122034/publications.pdf>

Version: 2024-02-01

64
papers

1,988
citations

201385

27
h-index

253896

43
g-index

68
all docs

68
docs citations

68
times ranked

1818
citing authors

#	ARTICLE	IF	CITATIONS
1	Luminescent dipyrin based metal complexes. Dalton Transactions, 2013, 42, 7498.	1.6	134
2	Dipyrin based homo- and hetero-metallic infinite architectures. CrystEngComm, 2010, 12, 2288.	1.3	92
3	Dipyrin based luminescent cyclometallated palladium and platinum complexes. Dalton Transactions, 2010, 39, 180-184.	1.6	87
4	(EDT-TTF-CONH ₂) ₆ [Re ₆ Se ₈ (CN) ₆], a Metallic Kagome-Type Organic-Inorganic Hybrid Compound: Electronic Instability, Molecular Motion, and Charge Localization. Journal of the American Chemical Society, 2005, 127, 11785-11797.	6.6	80
5	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. Inorganic Chemistry, 2003, 42, 750-760.	1.9	74
6	Beyond classical coordination: silver-π interactions in metal dipyrin complexes. Chemical Communications, 2007, , 2252-2254.	2.2	74
7	Many Faces of Dipyrins: from Hydrogen-Bonded Networks to Homo- and Heteronuclear Metallamacrocycles. Inorganic Chemistry, 2008, 47, 766-768.	1.9	68
8	Cluster-to-Metal Magnetic Coupling: Synthesis and Characterization of 25-Electron [Re ₆ -nOsnSe ₈ (CN) ₆](5-n)- (n = 1, 2) Clusters and {Re ₆ -nOsnSe ₈ [CNCu(Me ₆ tren)] ₆ } ⁹⁺ (n = 0, 1, 2) Assemblies. Journal of the American Chemical Society, 2003, 125, 15543-15553.	6.6	67
9	Singular Crystalline 2-Layered Topologies Directed by Ribbons of Self-Complementary Amide-Amide Ring Motifs in [EDT-TTF-(CONH ₂) ₂] ₂ X (X = HSO ₄ ⁻ , ClO ₄ ⁻ , ReO ₄ ⁻ , AsF ₆ ⁻): Coupled Activation of Ribbon Curvature, Electron Interactions, and Magnetic Susceptibility. Journal of the American Chemical Society, 2003, 125, 11583-11590.	6.6	66
10	Assembly of Heteroleptic Copper Complexes with Silver Salts: From Discrete Trinuclear Complexes to Infinite Networks. Inorganic Chemistry, 2010, 49, 331-338.	1.9	63
11	Heterometallic coordination polymers incorporating dipyrin based heteroleptic copper and cobalt complexes: to Ag-π or not?. Dalton Transactions, 2012, 41, 7227.	1.6	58
12	Excited State Properties and Energy Transfer within Dipyrin-Based Binuclear Iridium/Platinum Dyads: The Effect of ortho-Methylation on the Spacer. Chemistry - A European Journal, 2012, 18, 4041-4050.	1.7	55
13	Heterometallic Architectures Based on the Combination of Heteroleptic Copper and Cobalt Complexes with Silver Salts. Inorganic Chemistry, 2010, 49, 11231-11239.	1.9	54
14	Combination of primary amide and dipyrin for the elaboration of extended architectures built upon both coordination and hydrogen bonding. CrystEngComm, 2009, 11, 1245.	1.3	48
15	Structural Isomerism in Crystals of Redox-Active Secondaryortho-Diamides: The Role of Competing Intra- and Intermolecular Hydrogen Bonds in Directing Crystalline Topologies. Chemistry - A European Journal, 2004, 10, 4498-4511.	1.7	47
16	Carboxylic Acid Appended Dipyrin for the Formation of a Hexanuclear Iridium/Copper Paddlewheel Complex. Inorganic Chemistry, 2010, 49, 8659-8661.	1.9	47
17	A Silver Bite: Crystalline Heterometallic Architectures Based on Ag-π Interactions with a Bis-Dipyrin Zinc Helicate. Chemistry - A European Journal, 2014, 20, 2449-2453.	1.7	44
18	Sequential Generation of One-Dimensional Networks Based on a Differentiated Bischelate-Type Ligand Bearing Both 4,5-Diazafluorene and Dithiolene Units. Inorganic Chemistry, 2006, 45, 5260-5262.	1.9	42

#	ARTICLE	IF	CITATIONS
19	Luminescent Coordination Polymers Based on Self-Assembled Cadmium Dipyrrin Complexes. <i>Chemistry - A European Journal</i> , 2013, 19, 3215-3223.	1.7	42
20	Jahn-Teller distortion of the open-shell 23-electron chalcogenide rhenium cluster cores in crystals of the series, $\{[Re_6Q_8]^{3+}(X^{n-})_6\}^{3n-}$ (Q = S, Se; X = Cl, CN). <i>Chemical Communications</i> , 2002, , 2124-2125.	2.2	40
21	From Sequential to One-Pot Synthesis of Dipyrrin Based Grid-Type Mixed Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2013, 52, 14439-14448.	1.9	40
22	Luminescent metal-organic frameworks based on dipyrromethene metal complexes and BODIPYs. <i>CrystEngComm</i> , 2016, 18, 4671-4680.	1.3	40
23	Stepwise construction of grid-type Cu(ii)-Cd(ii) heterometallic MOFs based on an imidazole-appended dipyrin ligand. <i>Chemical Communications</i> , 2012, 48, 10313.	2.2	37
24	Combination of hydrogen and coordination bonding for the construction of one-dimensional networks based on a 7-azaindole appended dipyrin. <i>CrystEngComm</i> , 2010, 12, 2238.	1.3	35
25	Assembly, Disassembly, and Reassembly: Conversion of Homometallic Coordination Networks into Mixed Metal-Organic Frameworks. <i>Inorganic Chemistry</i> , 2015, 54, 2032-2039.	1.9	32
26	On Zn(ii) 2,2'-bisdipyrrin circular helicates. <i>Chemical Communications</i> , 2015, 51, 5906-5909.	2.2	32
27	Dipyrrin based metal complexes: reactivity and catalysis. <i>Dalton Transactions</i> , 2020, 49, 6161-6175.	1.6	31
28	A Straightforward Synthesis of Diverse Nickel Dithiolene Complexes Appended with Hydrogen-Bond Donor/Acceptor Groups. <i>Inorganic Chemistry</i> , 2005, 44, 3380-3382.	1.9	30
29	Deep eutectic solvents for the preparation and post-synthetic modification of metal- and covalent organic frameworks. <i>CrystEngComm</i> , 2021, 23, 5016-5032.	1.3	28
30	Dipyrrin based silver [2 + 2] metallamacrocycles. <i>Dalton Transactions</i> , 2011, 40, 437-445.	1.6	24
31	A stepwise approach to the formation of heterometallic discrete complexes and infinite architectures. <i>Dalton Transactions</i> , 2007, , 1129.	1.6	22
32	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> , 2011, 133, 6501-6504.	6.6	22
33	Pre-organization of clefts for Ag-I interactions in Zn(ii) bisdipyrrin helicates for the construction of heterometallic networks. <i>Chemical Communications</i> , 2016, 52, 13000-13003.	2.2	21
34	HKUST-1 MOF in reline deep eutectic solvent: synthesis and phase transformation. <i>Dalton Transactions</i> , 2021, 50, 4145-4151.	1.6	21
35	Interdependence of redox state, hydrogen bonding, anion recognition and charge partition in crystals of (EDT-TTF-CONHMe) ₆ [Re ₆ Se ₈ (CN) ₆](CH ₃ CN) ₂ (CH ₂ Cl) ₂ . <i>Chemical Communications</i> , 2003, , 1820-1821.	2.2	20
36	Ag(I)-I interactions with pyrrolic derivatives. <i>Coordination Chemistry Reviews</i> , 2019, 380, 318-329.	9.5	20

#	ARTICLE	IF	CITATIONS
37	Water nanodroplets confined in molecular nanobeakers. <i>Surface Science</i> , 2005, 588, 41-48.	0.8	19
38	Octanuclear Cu(i) cubic complex decorated with six peripheral chelates. <i>New Journal of Chemistry</i> , 2006, 30, 1083.	1.4	19
39	Modular construction of a series of heteronuclear metallamacrocycles. <i>Chemical Communications</i> , 2008, , 4558.	2.2	19
40	Interplay of Charge Transfer, Dimensionality, and Amide Hydrogen Bond Network Adaptability in TCNQF4 Complexes of EDO-TTF-CONH2 and EDT-TTF-CONH2. <i>Journal of Solid State Chemistry</i> , 2002, 168, 668-674.	1.4	16
41	Rigid yet flexible heteroleptic Co(<i>iii</i>) dipyrin complexes for the construction of heterometallic 1- and 2-D coordination polymers. <i>CrystEngComm</i> , 2014, 16, 4973-4980.	1.3	16
42	Solvent and anion effects on the organization of a luminescent [2 + 2] BODIPY/Ag(<i>i</i>) metallamacrocycle in the crystalline state. <i>CrystEngComm</i> , 2017, 19, 4393-4400.	1.3	16
43	Ni(ii) dipyrin complexes bearing peripheral pyridyl or imidazolyl groups self-assemble into 2- and 3-D coordination polymers. <i>CrystEngComm</i> , 2013, 15, 5980.	1.3	15
44	Arranging up to six ferrocene carboxamides around metal centres. <i>Dalton Transactions</i> , 2007, , 565-569.	1.6	14
45	Interdigitated conducting tetrathiafulvalene-based coordination networks. <i>Chemical Communications</i> , 2020, 56, 2407-2410.	2.2	14
46	From insertion of rhodium acetate paddlewheels into functionalized 7-azaindole hydrogen-bonded dimers to infinite architectures. <i>Dalton Transactions</i> , 2011, 40, 7403.	1.6	10
47	Transport properties of monocrystalline microwires of EDT-TTF(CONHMe) ₂ and (TMTSF) ₂ CIO ₄ . <i>Synthetic Metals</i> , 2004, 146, 273-277.	2.1	9
48	AzaBODIPY based coordination polymers. <i>CrystEngComm</i> , 2017, 19, 897-900.	1.3	8
49	Symmetrical and dissymmetrical 2,2'-bis-dipyrin ligands and Zn(ii) binuclear helicates. <i>New Journal of Chemistry</i> , 2018, 42, 6997-7004.	1.4	8
50	Tetrathiopyridyl-tetrathiafulvalene-based Cd(<i>ii</i>) coordination polymers: one ligand, one metal cation, many possibilities. <i>New Journal of Chemistry</i> , 2019, 43, 14291-14298.	1.4	8
51	Strapping a benzaldehyde-appended 2,2'-bis-dipyrin Zn(<i>ii</i>) double-stranded helicate using imine bond formation. <i>Dalton Transactions</i> , 2019, 48, 4105-4108.	1.6	8
52	Gleaned snapshots on the road to coordination polymers: heterometallic architectures based on Cu(<i>i</i>) metallaclips and 2,2'-bis-dipyrin metalloligands. <i>Chemical Communications</i> , 2020, 56, 10501-10504.	2.2	8
53	Ionothermal synthesis of calcium-based metal-organic frameworks in a deep eutectic solvent. <i>CrystEngComm</i> , 2022, 24, 601-608.	1.3	7
54	From discrete tricyanovinylene appended 7-azaindole copper(II) paddlewheel to an infinite 1D network: Synthesis, crystal structure and magnetic properties. <i>Polyhedron</i> , 2013, 52, 1329-1335.	1.0	6

#	ARTICLE	IF	CITATIONS
55	Photocycloadditions of Arenes Derived from Lignin. <i>Journal of Organic Chemistry</i> , 2021, 86, 13310-13321.	1.7	6
56	Crystalline patterns and band structure dimensionality in a series of conducting hybrids associating amide-functionalized EDT-TTF π -donors with the isosteric octahedral anions $[\text{FeNO}(\text{CN})_5]^{2-}$ and $[\text{M}(\text{CN})_6]^{3-}$ (M=Co, Fe). <i>Synthetic Metals</i> , 2005, 155, 527-538.	2.1	4
57	Synthesis, crystal structure and optical properties of a series of dipyrins bearing peripheral coordinating groups and their BODIPYs and Zn(II) complexes. <i>Inorganica Chimica Acta</i> , 2019, 494, 216-222.	1.2	4
58	Heterometallic coordination polymers based on homo- and heteroleptic Au(III) dithiolene complexes. <i>CrystEngComm</i> , 2020, 22, 5760-5767.	1.3	4
59	Bis(tetraphenylphosphonium) bis[<i>cis</i> -1,2-bis(methoxycarbonyl)ethylenedithiolato- λ^2 S, λ^2]nickelate(II) and bis(tetraphenylphosphonium) bis[<i>cis</i> -1,2-bis(methoxycarbonyl)ethylenedithiolato- λ^2 S, λ^2]nickelate(III) iodide. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2002, 58, m575-m577.	0.4	3
60	A Ni-2,2'-bis(dipyrrinato) complex as a potential sensitizer: synthesis and photoelectrochemical characterization. <i>New Journal of Chemistry</i> , 2017, 41, 15021-15026.	1.4	3
61	Revisiting Ag π - π interactions with bis((pyrrol-2-yl)methylene)hydrazine: CC versus CN bond complexation. <i>CrystEngComm</i> , 2019, 21, 1853-1856.	1.3	3
62	Construction of hydrogen bonding and coordination networks based on ethynylpyridine-appended nucleobases. <i>CrystEngComm</i> , 2021, 23, 944-954.	1.3	2
63	Coordination assemblies based on a flexible tetrathiafulvalene derivative. <i>Polyhedron</i> , 2021, 198, 115047.	1.0	1
64	Functional π -donors with no symmetry and Mott physics. <i>European Physical Journal Special Topics</i> , 2005, 131, 307-311.	0.2	0