Nicolas Mercier

List of Publications by Year
in descending order

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71	4,834	109321 35	95266 68
papers	citations	h-index	g-index

75	75	75	4665
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Morphology and temperature dependence of a dual excitonic emissive 2D bromoplumbate hybrid perovskite: the key role of crystal edges. Journal of Materials Chemistry C, 2022, 10, 10284-10291.	5.5	2
2	Synthesis and Characterization of (FA)₃(HEA)₂Pb₃I₁₁: A Rare Example of <1 1 0>-Oriented Multilayered Halide Perovskites. Chemistry of Materials, 2022, 34, 5780-5790.	6.7	2
3	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. Angewandte Chemie, 2021, 133, 847-852.	2.0	2
4	The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. Angewandte Chemie - International Edition, 2021, 60, 834-839.	13.8	8
5	Layered Arrangement of 1D Wavy Chains in the Leadâ€Free Hybrid Perovskite (PyrCO₂H)₂BiI₅: Structural Investigations and Properties. European Journal of Inorganic Chemistry, 2021, 2021, 1452-1458.	2.0	5
6	From Zero- to One-Dimensional, Opportunities and Caveats of Hybrid Iodobismuthates for Optoelectronic Applications. Inorganic Chemistry, 2021, 60, 17123-17131.	4.0	13
7	A 3D Lead Iodide Hybrid Based on a 2D Perovskite Subnetwork. Crystals, 2021, 11, 1570.	2.2	2
8	Mechanochromic Luminescence of N,Nâ€²-Dioxide-4,4â€²-bipyridine Bismuth Coordination Polymers. Crystal Growth and Design, 2020, 20, 7658-7666.	3.0	25
9	Influence of oversized cations on electronic dimensionality of d-MAPbI₃ crystals. Journal of Materials Chemistry C, 2020, 8, 7928-7934.	5.5	1
10	Mechanochromic and Electroluminescence Properties of a Layered Hybrid Perovskite Belonging to the <110> Series. European Journal of Inorganic Chemistry, 2019, 2019, 4527-4531.	2.0	15
11	Hybrid Halide Perovskites: Discussions on Terminology and Materials. Angewandte Chemie, 2019, 131, 18078-18083.	2.0	17
12	Hybrid Halide Perovskites: Discussions on Terminology and Materials. Angewandte Chemie - International Edition, 2019, 58, 17912-17917.	13.8	56
13	Enhanced Stability and Band Gap Tuning of Î±-[HC(NH₂)₂]PbI₃ Hybrid Perovskite by Large Cation Integration. ACS Applied Materials & Interfaces, 2019, 11, 20743-20751.	8.0	52
14	Dual phosphorescence from the organic and inorganic moieties of 1D hybrid perovskites of the Pb_nBr_{4n+2} series (n = 2, 3, 4, 5). Journal of Materials Chemistry C, 2019, 7, 4424-4433.	5.5	38
15	Quantum and Dielectric Confinement Effects in Lower-Dimensional Hybrid Perovskite Semiconductors. Chemical Reviews, 2019, 119, 3140-3192.	47.7	525
16	Lead(II) 4,4â€²-BipyridineN-Oxide Coordination Polymers - Highly Phosphorescent Materials with Mechanochromic Luminescence Properties. European Journal of Inorganic Chemistry, 2017, 2017, 844-850.	2.0	18
17	Insight into the Mechanism of Water Adsorption/Desorption in Hydrophilic Viologen-Carboxylate Based PCP. Crystal Growth and Design, 2017, 17, 2828-2835.	3.0	18
18	Leadâ€•and Iodideâ€Deficient (CH₃NH₃)PbI₃ (dâ€MAPI): The Bridge between 2D and 3D Hybrid Perovskites. Angewandte Chemie - International Edition, 2017, 56, 16067-16072.	13.8	75

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19	Leadâ€•and Iodideâ€Deficient (CH₃NH₃)PbI₃ (dâ€MAPI): The Bridge between 2D and 3D Hybrid Perovskites. Angewandte Chemie, 2017, 129, 16283-16288.	2.0	11
20	A robust viologen and Mn-based porous coordination polymer with two types of Lewis acid sites providing high affinity for H₂O, CO₂ and NH₃. Dalton Transactions, 2017, 46, 15666-15670.	3.3	13
21	BismuthâEBased Coordination Polymers with Efficient Aggregationâ€Induced Phosphorescence and Reversible Mechanochromic Luminescence. Angewandte Chemie - International Edition, 2016, 55, 7998-8002.	13.8	121
22	BismuthâEBased Coordination Polymers with Efficient Aggregationâ€Induced Phosphorescence and Reversible Mechanochromic Luminescence. Angewandte Chemie, 2016, 128, 8130-8134.	2.0	33
23	Porous Coordination Polymer Based on Bipyridinium Carboxylate Linkers with High and Reversible Ammonia Uptake. Inorganic Chemistry, 2016, 55, 8587-8594.	4.0	46
24	Supramolecular Open-Framework of a Bipyridinium-Carboxylate Based Copper Complex with High and Reversible Water Uptake. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 1439-1444.	1.2	5
25	Bipyridiniumâ€bis(carboxylate) Radical Based Materials: Xâ€ray, EPR and Paramagnetic Solidâ€State NMR Investigations. European Journal of Inorganic Chemistry, 2016, 2016, 1036-1043.	2.0	16
26	Process-dependent reversible mechanochromic luminescence of bismuth based polymorphs. Journal of Materials Chemistry C, 2016, 4, 5940-5944.	5.5	23
27	Aggregation induced phosphorescent N-oxyde-2,2â€²-bipyridine bismuth complexes and polymorphism-dependent emission. Dalton Transactions, 2015, 44, 14589-14593.	3.3	33
28	Photo- and Thermochromic and Adsorption Properties of Porous Coordination Polymers Based on Bipyridinium Carboxylate Ligands. Inorganic Chemistry, 2015, 54, 8923-8930.	4.0	108
29	Noncovalent Chalcogen Bonds and Disulfide Conformational Change in the Cystamineâ€Based Hybrid Perovskite [H₃N(CH₂)₂SS(CH₂)₂NH₃]Pb^{II}₄ European Journal of Inorganic Chemistry, 2014, 2014, 364-376.	2.0	18
30	Unprecedented stacking of MV2+ dications and MVË™+ radical cations in the mixed-valence viologen salt (MV)2(BF4)3 (MV = methylviologen). Chemical Communications, 2013, 49, 10272.	4.1	35
31	Protonated N-oxide-4,4â€²-bipyridine: from luminescent BiIII complexes to hybrids based on H-bonded dimers or H-bonded open 2D square supramolecular networks. CrystEngComm, 2013, 15, 8565.	2.6	33
32	The Templating Effect and Photochemistry of Viologens in Halometalate Hybrid Crystals. European Journal of Inorganic Chemistry, 2013, 2013, 19-31.	2.0	104
33	N-Methyl-4,4â€²-bipyridinium andN-Methyl-Nâ€²-oxide-4,4â€²-bipyridinium Bismuth Complexes - Photochromism and Photoluminescence in the Solid State. European Journal of Inorganic Chemistry, 2013, 2013, 1113-1117.	2.0	72
34	The motley family of polar compounds (MV)[M(X5â¯xXâ€²x)] based on anionic chains of trans-connected M(III)(X,Xâ€²)6 octahedra (M=Bi, Sb; X, Xâ€²=Cl, Br, I) and methylviologen (MV) dications. Journal of Solid State Chemistry, 2012, 195, 140-148.	2.9	38
35	N-oxide-4,4â€²-bipyridine, a forgotten ligand in coordination chemistry: structureâ€“photoluminescence property relationships in 2D and 1D lead-coordination polymers. CrystEngComm, 2012, 14, 7844.	2.6	19
36	Protonated N,Nâ€²-Dioxide-4,4â€²-bipyridine, an Interesting Synthon for the Building of Polar H-Bonded Networks?. Crystal Growth and Design, 2011, 11, 5200-5205.	3.0	26

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37	Stable Photoinduced Separated Charge State in Viologen Halometallates: Some Key Parameters. Crystal Growth and Design, 2011, 11, 2064-2069.	3.0	118
38	Large Spontaneous Polarization and Clear Hysteresis Loop of a Room-Temperature Hybrid Ferroelectric Based on Mixed-Halide [BiI₃Cl₂] Polar Chains and Methylviologen Dication. Journal of the American Chemical Society, 2011, 133, 14924-14927.	13.7	153
39	Photochromism, Electrical Properties, and Structural Investigations of a Series of Hydrated Methylviologen Halobismuthate Hybrids: Influence of the Anionic Oligomer Size and Iodide Doping on the Photoinduced Properties and on the Dehydration Process. Inorganic Chemistry, 2010, 49, 5824-5833.	4.0	132
40	Structural diversity and retro-crystal engineering analysis of iodometalate hybrids. CrystEngComm, 2009, 11, 720.	2.6	256
41	Î±- to Î²-(dmes)BiI₅ (dmes = Dimethyl(2-ethylammonium)sulfonium Dication): Umbrella Reversal of Sulfonium in the Solid State and Short IÂ·Â·Â·I Interchain Contactsâ€"Crystal Structures, Optical Properties, and Theoretical Investigations of 1D Iodobismuthates. Inorganic Chemistry, 2009, 48, 879-888.	4.0	77
42	Thermally Induced Bi(III) Lone Pair Stereoactivity: Ferroelectric Phase Transition and Semiconducting Properties of (MV)BiBr₅ (MV= methylviologen). Chemistry of Materials, 2009, 21, 4099-4101.	6.7	158
43	Cu^Iâ€"Br Oligomers and Polymers Involving Cuâ€"S(cystamine) Bonds. European Journal of Inorganic Chemistry, 2008, 2008, 1654-1660.	2.0	16
44	Example of Disulfide Conformational Change in the Solid State: Preparation, Optical Properties, and Xâ€ray Studies of a Cystamineâ€Based Iodoplombate Hybrid. European Journal of Inorganic Chemistry, 2008, 2008, 3592-3596.	2.0	23
45	A Switchable NLO Organicâ€Inorganic Compound Based on Conformationally Chiral Disulfide Molecules and Bi(III)I₅ Iodobismuthate Networks. Advanced Materials, 2008, 20, 1013-1017.	21.0	222
46	A 3D metal halide framework in the organicâ€"inorganic compound (H3N(CH2)2SS(CH2)2NH3)3Pb5I16. Solid State Sciences, 2008, 10, 1269-1275.	3.2	25
47	Reversible dynamic isomerism change in the solid state, from Bi4I16 clusters to BiI4 1D chains in l-cystine based hybrids: templating effect of cations in iodobismuthate network formation. Chemical Communications, 2008, , 5743.	4.1	42
48	Polymorphism of lead(ii) benzenethiolate: a noncentrosymmetric new allotropic form of Pb(SPh)2. CrystEngComm, 2008, 10, 968.	2.6	5
49	PbnI4n+2(2n+2)? ribbons (n = 3, 5) as dimensional reductions of 2D perovskite layers in cystamine cation based hybrids, also incorporating iodine molecules or reversible guest water molecules. Dalton Transactions, 2007, , 965.	3.3	59
50	Type structure, which is composed of organic diammonium, triiodide and hexaiodobismuthate, varies according to different structures of incorporated cations. CrystEngComm, 2007, 9, 298.	2.6	45
51	Hybrid Perovskite Resulting from the Solid-State Reaction between the Organic Cations and Perovskite Layers of Î±1-(Br-(CH2)2-NH3)2PbI4. Inorganic Chemistry, 2007, 46, 6148-6154.	4.0	31
52	Reduced Band Gap Hybrid Perovskites Resulting from Combined Hydrogen and Halogen Bonding at the Organicâ^'Inorganic Interface. Chemistry of Materials, 2007, 19, 600-607.	6.7	227
53	Conglomerate-to-True-Racemate Reversible Solid-State Transition in Crystals of an Organic Disulfide-Based Iodoplumbate. Angewandte Chemie - International Edition, 2006, 45, 2100-2103.	13.8	99
54	Lead Halide Layers Linked bytrans-Cu(Gly)2 (Gly =â€"O2Câ€"CH2â€"NH2) Pillars in Heterometallic Glycinate Based Organicâ€"Inorganic Hybrids. European Journal of Inorganic Chemistry, 2006, 2006, 4225-4228.	2.0	11

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55	(HO2C(CH2)3NH3)2(CH3NH3)Pb2I7: a predicted non-centrosymmetrical structure built up from carboxylic acid supramolecular synthons and bilayer perovskite sheets. CrystEngComm, 2005, 7, 429.	2.6	118
56	Novel Fused Dâ^'A Dyad and Aâ^'Dâ^'A Triad Incorporating Tetrathiafulvalene andp-Benzoquinone. Journal of Organic Chemistry, 2004, 69, 2164-2177.	3.2	104
57	Crystal structure of (NH3â€“Râ€“NH3)(NH3â€“Râ€“NH2)PbI5 (R=5,5â€²-bis(ethylsulfanyl)-2,2â€²-bithiophene): NH3+â‹¯NH2 interaction as a tool to reach densely packed organic layers in organic-inorganic perovskites. Journal of Solid State Chemistry, 2004, 177, 1067-1071.	2.9	29
58	An organicâ€“inorganic hybrid perovskite containing copper paddle-wheel clusters linking perovskite layers : [Cu(O2Câ€“(CH2)3â€“NH3)2]PbBr4. Chemical Communications, 2004, , 844-845.	4.1	63
59	Unique Hydrogen Bonding Correlating with a Reduced Band Gap and Phase Transition in the Hybrid Perovskites (HO(CH2)2NH3)2PbX4(X = I, Br). Inorganic Chemistry, 2004, 43, 8361-8366.	4.0	146
60	Planarized Star-Shaped Oligothiophenes with Enhanced Ï€-Electron Delocalization. Organic Letters, 2004, 6, 273-276.	4.6	155
61	Stimulated Emission from a Needle-like Single Crystal of an End-Capped Fluorene/Phenylene Co-oligomer. Advanced Materials, 2003, 15, 906-909.	21.0	49
62	Effect of Mono- versus Di-ammonium Cation of 2,2â€˜-Bithiophene Derivatives on the Structure of Organicâ^'Inorganic Hybrid Materials Based on Iodo Metallates. Inorganic Chemistry, 2003, 42, 5330-5339.	4.0	160
63	(C4H3SCH2NH3)2(CH3NH3)Pb2I7: non-centrosymmetrical crystal structure of a bilayer hybrid perovskite. Chemical Communications, 2002, , 2160-2161.	4.1	76
64	Copper(I) coordination ability of the outer S-position isomer of EDT-DMT-TTF (D1): crystal structure of (D1)2Cu2Br4,2CH2Cl2; structural correlation with the (D1)2Cu2Br6 copper(II) salt. Synthetic Metals, 2002, 130, 129-134.	3.9	12
65	(2-Thienylmethyl)ammonium trichlorostannate(II): a hybrid salt. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, m127-m128.	0.4	0
66	Design and Synthesis of Pushâ^'Pull Chromophores for Second-Order Nonlinear Optics Derived from Rigidified Thiophene-Based Ï€-Conjugating Spacers. Journal of Organic Chemistry, 2002, 67, 205-218.	3.2	210
67	Pushâ€“pull chromophores based on 2,2â€²-bi(3,4-ethylenedioxythiophene) (BEDOT) Ï€-conjugating spacer. Tetrahedron Letters, 2001, 42, 1507-1510.	1.4	135
68	Tetrathiafulvalene Crowns: Redox-Switchable Ligands. Chemistry - A European Journal, 2001, 7, 447-455.	3.3	102
69	Synthesis and Characterization of the Electronic and Electrochemical Properties of Thienylenevinylene Oligomers with Multinanometer Dimensions. Journal of the American Chemical Society, 1998, 120, 8150-8158.	13.7	137
70	Mechanochromic Luminescence of Composites Based on (CH 3 NH 3)PbBr 3 and Layered HPs: Influence of 2D Components and Interface Multilayered Phases. European Journal of Inorganic Chemistry, 0, , .	2.0	0
71	Solventâ€Free Preparation and Moderate Congruent Melting Temperature of Layered Lead Iodide Perovskites for Thinâ€Film Formation. Angewandte Chemie - International Edition, 0, , .	13.8	3