# Nicolas Mercier

List of Publications by Year
in descending order

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|---|---|---|---|
| 71 papers | 4,834 citations | 109264 35 h-index | 95218 68 g-index |
| 75 all docs | 75 docs citations | 75 times ranked | 4665 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. | 2.7 | 2 |
| 2 | Synthesis and Characterization of (FA)<sub>3</sub>(HEA)<sub>2</sub>Pb<sub>3</sub>I<sub>11</sub>: A Rare Example of <1 1 0>-Oriented Multilayered Halide Perovskites. Chemistry of Materials, 2022, 34, 5780-5790. | 3.2 | 2 |
| 3 | The Key Role of the Interface in the Highly Sensitive Mechanochromic Luminescence Properties of Hybrid Perovskites. Angewandte Chemie, 2021, 133, 847-852. | 1.6 | 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. | 7.2 | 8 |
| 5 | Layered Arrangement of 1D Wavy Chains in the Leadâ€Free Hybrid Perovskite (PyrCO<sub>2</sub>H)<sub>2</sub>BiI<sub>5</sub>: Structural Investigations and Properties. European Journal of Inorganic Chemistry, 2021, 2021, 1452-1458. | 1.0 | 5 |
| 6 | From Zero- to One-Dimensional, Opportunities and Caveats of Hybrid Iodobismuthates for Optoelectronic Applications. Inorganic Chemistry, 2021, 60, 17123-17131. | 1.9 | 13 |
| 7 | A 3D Lead Iodide Hybrid Based on a 2D Perovskite Subnetwork. Crystals, 2021, 11, 1570. | 1.0 | 2 |
| 8 | Mechanochromic Luminescence of N,Nâ€²-Dioxide-4,4â€²-bipyridine Bismuth Coordination Polymers. Crystal Growth and Design, 2020, 20, 7658-7666. | 1.4 | 25 |
| 9 | Influence of oversized cations on electronic dimensionality of d-MAPbI<sub>3</sub> crystals. Journal of Materials Chemistry C, 2020, 8, 7928-7934. | 2.7 | 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. | 1.0 | 15 |
| 11 | Hybrid Halide Perovskites: Discussions on Terminology and Materials. Angewandte Chemie, 2019, 131, 18078-18083. | 1.6 | 17 |
| 12 | Hybrid Halide Perovskites: Discussions on Terminology and Materials. Angewandte Chemie - International Edition, 2019, 58, 17912-17917. | 7.2 | 56 |
| 13 | Enhanced Stability and Band Gap Tuning of Î±-[HC(NH<sub>2</sub>)<sub>2</sub>]PbI<sub>3</sub> Hybrid Perovskite by Large Cation Integration. ACS Applied Materials & Interfaces, 2019, 11, 20743-20751. | 4.0 | 52 |
| 14 | Dual phosphorescence from the organic and inorganic moieties of 1D hybrid perovskites of the Pb<sub>n</sub>Br<sub>4n+2</sub> series (n = 2, 3, 4, 5). Journal of Materials Chemistry C, 2019, 7, 4424-4433. | 2.7 | 38 |
| 15 | Quantum and Dielectric Confinement Effects in Lower-Dimensional Hybrid Perovskite Semiconductors. Chemical Reviews, 2019, 119, 3140-3192. | 23.0 | 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. | 1.0 | 18 |
| 17 | Insight into the Mechanism of Water Adsorption/Desorption in Hydrophilic Viologen-Carboxylate Based PCP. Crystal Growth and Design, 2017, 17, 2828-2835. | 1.4 | 18 |
| 18 | Leadâ€•and Iodideâ€Deficient (CH<sub>3</sub>NH<sub>3</sub>)PbI<sub>3</sub> (dâ€MAPI): The Bridge between 2D and 3D Hybrid Perovskites. Angewandte Chemie - International Edition, 2017, 56, 16067-16072. | 7.2 | 75 |

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|---|---|---|---|
| 19 | Leadâ€•and Iodideâ€Deficient (CH<sub>3</sub>NH<sub>3</sub>)PbI<sub>3</sub> (dâ€MAPI): The Bridge between 2D and 3D Hybrid Perovskites. Angewandte Chemie, 2017, 129, 16283-16288. | 1.6 | 11 |
| 20 | A robust viologen and Mn-based porous coordination polymer with two types of Lewis acid sites providing high affinity for H<sub>2</sub>O, CO<sub>2</sub> and NH<sub>3</sub>. Dalton Transactions, 2017, 46, 15666-15670. | 1.6 | 13 |
| 21 | BismuthâEBased Coordination Polymers with Efficient Aggregationâ€Induced Phosphorescence and Reversible Mechanochromic Luminescence. Angewandte Chemie - International Edition, 2016, 55, 7998-8002. | 7.2 | 121 |
| 22 | BismuthâEBased Coordination Polymers with Efficient Aggregationâ€Induced Phosphorescence and Reversible Mechanochromic Luminescence. Angewandte Chemie, 2016, 128, 8130-8134. | 1.6 | 33 |
| 23 | Porous Coordination Polymer Based on Bipyridinium Carboxylate Linkers with High and Reversible Ammonia Uptake. Inorganic Chemistry, 2016, 55, 8587-8594. | 1.9 | 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. | 0.6 | 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. | 1.0 | 16 |
| 26 | Process-dependent reversible mechanochromic luminescence of bismuth based polymorphs. Journal of Materials Chemistry C, 2016, 4, 5940-5944. | 2.7 | 23 |
| 27 | Aggregation induced phosphorescent N-oxyde-2,2â€²-bipyridine bismuth complexes and polymorphism-dependent emission. Dalton Transactions, 2015, 44, 14589-14593. | 1.6 | 33 |
| 28 | Photo- and Thermochromic and Adsorption Properties of Porous Coordination Polymers Based on Bipyridinium Carboxylate Ligands. Inorganic Chemistry, 2015, 54, 8923-8930. | 1.9 | 108 |
| 29 | Noncovalent Chalcogen Bonds and Disulfide Conformational Change in the Cystamineâ€Based Hybrid Perovskite [H<sub>3</sub>N(CH<sub>2</sub>)<sub>2</sub>SS(CH<sub>2</sub>)<sub>2</sub>NH<sub>3</sub>]Pb<sup>II</sup><sub>4</sub> European Journal of Inorganic Chemistry, 2014, 2014, 364-376. | 1.0 | 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. | 2.2 | 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. | 1.3 | 33 |
| 32 | The Templating Effect and Photochemistry of Viologens in Halometalate Hybrid Crystals. European Journal of Inorganic Chemistry, 2013, 2013, 19-31. | 1.0 | 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. | 1.0 | 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. | 1.4 | 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. | 1.3 | 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. | 1.4 | 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. | 1.4 | 118 |
| 38 | Large Spontaneous Polarization and Clear Hysteresis Loop of a Room-Temperature Hybrid Ferroelectric Based on Mixed-Halide [BiI<sub>3</sub>Cl<sub>2</sub>] Polar Chains and Methylviologen Dication. Journal of the American Chemical Society, 2011, 133, 14924-14927. | 6.6 | 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. | 1.9 | 132 |
| 40 | Structural diversity and retro-crystal engineering analysis of iodometalate hybrids. CrystEngComm, 2009, 11, 720. | 1.3 | 256 |
| 41 | Î±- to Î²-(dmes)BiI<sub>5</sub> (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. | 1.9 | 77 |
| 42 | Thermally Induced Bi(III) Lone Pair Stereoactivity: Ferroelectric Phase Transition and Semiconducting Properties of (MV)BiBr<sub>5</sub> (MV= methylviologen). Chemistry of Materials, 2009, 21, 4099-4101. | 3.2 | 158 |
| 43 | Cu<sup>I</sup>â€"Br Oligomers and Polymers Involving Cuâ€"S(cystamine) Bonds. European Journal of Inorganic Chemistry, 2008, 2008, 1654-1660. | 1.0 | 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. | 1.0 | 23 |
| 45 | A Switchable NLO Organicâ€Inorganic Compound Based on Conformationally Chiral Disulfide Molecules and Bi(III)I<sub>5</sub> Iodobismuthate Networks. Advanced Materials, 2008, 20, 1013-1017. | 11.1 | 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. | 1.5 | 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. | 2.2 | 42 |
| 48 | Polymorphism of lead(ii) benzenethiolate: a noncentrosymmetric new allotropic form of Pb(SPh)2. CrystEngComm, 2008, 10, 968. | 1.3 | 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. | 1.6 | 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. | 1.3 | 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. | 1.9 | 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. | 3.2 | 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. | 7.2 | 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. | 1.0 | 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. | 1.3 | 118 |
| 56 | Novel Fused Dâ^'A Dyad and Aâ^'Dâ^'A Triad Incorporating Tetrathiafulvalene andp-Benzoquinone. Journal of Organic Chemistry, 2004, 69, 2164-2177. | 1.7 | 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. | 1.4 | 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. | 2.2 | 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. | 1.9 | 146 |
| 60 | Planarized Star-Shaped Oligothiophenes with Enhanced Ï€-Electron Delocalization. Organic Letters, 2004, 6, 273-276. | 2.4 | 155 |
| 61 | Stimulated Emission from a Needle-like Single Crystal of an End-Capped Fluorene/Phenylene Co-oligomer. Advanced Materials, 2003, 15, 906-909. | 11.1 | 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. | 1.9 | 160 |
| 63 | (C4H3SCH2NH3)2(CH3NH3)Pb2I7: non-centrosymmetrical crystal structure of a bilayer hybrid perovskite. Chemical Communications, 2002, , 2160-2161. | 2.2 | 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. | 2.1 | 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. | 1.7 | 210 |
| 67 | Pushâ€"pull chromophores based on 2,2â€²-bi(3,4-ethylenedioxythiophene) (BEDOT) Ï€-conjugating spacer. Tetrahedron Letters, 2001, 42, 1507-1510. | 0.7 | 135 |
| 68 | Tetrathiafulvalene Crowns: Redox-Switchable Ligands. Chemistry - A European Journal, 2001, 7, 447-455. | 1.7 | 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. | 6.6 | 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, , . | 1.0 | 0 |
| 71 | Solventâ€Free Preparation and Moderate Congruent Melting Temperature of Layered Lead Iodide Perovskites for Thinâ€Film Formation. Angewandte Chemie - International Edition, 0, , . | 7.2 | 3 |