

# MarÃ-a J Mayoral

## List of Publications by Year in descending order

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43  
papers

1,550  
citations

257450  
24  
h-index

302126  
39  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cooperative Supramolecular Polymerization Driven by Metallophilic Pd $\cdots$ Pd Interactions. <i>Journal of the American Chemical Society</i> , 2013, 135, 2148-2151.	13.7	131
2	Self-Assembly and (Hydro)gelation Triggered by Cooperative $\pi\cdots\pi$ and Unconventional C $\cdots$ H $\cdots$ X Hydrogen Bonding Interactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 700-705.	13.8	127
3	Metallosupramolecular amphiphilic $\pi$ -systems. <i>Chemical Science</i> , 2012, 3, 1395.	7.4	70
4	H $\cdots$ Agregates of Oligophenyleneethynylene (OPE) $\cdots$ BODIPY Systems in Water: Guest Size-Dependent Encapsulation Mechanism and Co $\cdots$ aggregate Morphology. <i>Chemistry - A European Journal</i> , 2014, 20, 10669-10678.	3.3	64
5	Non-Centrosymmetric Homochiral Supramolecular Polymers of Tetrahedral Subphthalocyanine Molecules. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 2543-2547.	13.8	63
6	High-Fidelity Noncovalent Synthesis of Hydrogen-Bonded Macrocyclic Assemblies. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6780-6784.	13.8	60
7	Hydrogen-Bonded Macrocyclic Supramolecular Systems in Solution and on Surfaces. <i>ChemistryOpen</i> , 2016, 5, 10-32.	1.9	53
8	Silver and gold luminescent metallomesogens based on pyrazole ligands. <i>Dalton Transactions</i> , 2008, , 6912.	3.3	49
9	Narcissistic versus Social Self-Sorting of Oligophenyleneethynylene Derivatives: From Isodesmic Self-Assembly to Cooperative Co-Assembly. <i>Chemistry - A European Journal</i> , 2012, 18, 15607-15611.	3.3	48
10	Luminescence of neutral and ionic gold(I) complexes containing pyrazole or pyrazolate-type ligands. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 1690-1697.	1.8	47
11	Alternated Stacks of Nonpolar Oligo( $\text{p}$ -phenyleneethynylene) $\cdots$ BODIPY Systems. <i>Chemistry - A European Journal</i> , 2012, 18, 14957-14961.	3.3	46
12	Alkoxy-substituted difluoroboron benzoylmethanes for photonics applications: A photophysical and spectroscopic study. <i>Dalton Transactions</i> , 2011, 40, 377-383.	3.3	45
13	Aqueous Self-Sorting in Extended Supramolecular Aggregates. <i>International Journal of Molecular Sciences</i> , 2013, 14, 1541-1565.	4.1	44
14	G-Arylated Hydrogen-Bonded Cyclic Tetramer Assemblies with Remarkable Thermodynamic and Kinetic Stability. <i>Organic Letters</i> , 2015, 17, 2664-2667.	4.6	38
15	Role of the Symmetry of Multipoint Hydrogen Bonding on Chelate Cooperativity in Supramolecular Macrocyclization Processes. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 223-227.	13.8	37
16	Exploring photophysical properties of new boron and palladium( $\text{II}$ ) complexes with $\beta^2$ -diketone pyridine type ligands: from liquid crystals to metal fluorescence probes. <i>Journal of Materials Chemistry</i> , 2011, 21, 1255-1263.	6.7	36
17	Silver and Gold Trinuclear Complexes Based on 3-Substituted or 3,5-Disubstituted Pyrazolato Ligands. X-Ray Crystal Structure of cyclo-Tris( $\{1/4\}$ -[3,5-bis(4-phenoxyphenyl)-1H-pyrazolato- $\text{N}1\cdots\text{N}2\}]$ )trigold Dichloromethane ( $[\text{Au}(\{1/4\})]_3\cdots\text{CH}_2\text{Cl}_2$ ). <i>Helvetica Chimica Acta</i> , 2004, 87, 250-263.	1.6	35
18	Luminescent liquid crystal materials based on unsymmetrical boron difluoride $\beta^2$ -diketonate adducts. <i>New Journal of Chemistry</i> , 2010, 34, 2937.	2.8	32

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19	Dual-Mode Chiral Self-Assembly of Cone-Shaped Subphthalocyanine Aromatics. <i>Journal of the American Chemical Society</i> , 2020, 142, 21017-21031.	13.7	32
20	Silver pyrazole complexes with tunable liquid crystals and luminescent properties. <i>New Journal of Chemistry</i> , 2010, 34, 2766.	2.8	31
21	Control over the Self-Assembly Modes of Pt <sup>II</sup> Complexes by Alkyl Chain Variation: From Slipped to Parallel $\pi$ -Stacks. <i>Chemistry - A European Journal</i> , 2016, 22, 7810-7816.	3.3	31
22	Noncovalent Synthesis of Self-Assembled Nanotubes through Decoupled Hierarchical Cooperative Processes. <i>Journal of the American Chemical Society</i> , 2019, 141, 16432-16438.	13.7	28
23	How Large Can We Build a Cyclic Assembly? Impact of Ring Size on Chelate Cooperativity in Noncovalent Macrocyclizations. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15649-15653.	13.8	26
24	Reversible dispersion and release of carbon nanotubes <i>via</i> cooperative clamping interactions with hydrogen-bonded nanorings. <i>Chemical Science</i> , 2018, 9, 4176-4184.	7.4	25
25	Guidelines for the assembly of hydrogen-bonded macrocycles. <i>Chemical Communications</i> , 2019, 55, 7277-7299.	4.1	25
26	Mechanosensitive Gold Colloidal Membranes Mediated by Supramolecular Interfacial Self-Assembly. <i>Journal of the American Chemical Society</i> , 2017, 139, 1120-1128.	13.7	24
27	Understanding complex supramolecular landscapes: non-covalent macrocyclization equilibria examined by fluorescence resonance energy transfer. <i>Chemical Science</i> , 2018, 9, 7809-7821.	7.4	24
28	The 3,5-dimethyl-4-nitropyrazole ligand in the construction of supramolecular networks of silver(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2007, 692, 4093-4105.	1.8	21
29	Impact of Conformational Effects on the Ring-Chain Equilibrium of Hydrogen-Bonded Dinucleosides. <i>Chemistry - A European Journal</i> , 2018, 24, 11983-11991.	3.3	21
30	Pyridylpyrazole derivatives. A new type of mesogenic bidentate ligands inducing mesomorphism on their related PdX <sub>2</sub> complexes. <i>Inorganic Chemistry Communication</i> , 2003, 6, 626-629.	3.9	19
31	Exploiting Ni $\pi$ -H $\pi$ -Cl Hydrogen Bonding Interactions in Cooperative Metallosupramolecular Polymerization. <i>Macromolecular Rapid Communications</i> , 2018, 39, e1800191.	3.9	19
32	Non-Centrosymmetric Homochiral Supramolecular Polymers of Tetrahedral Subphthalocyanine Molecules. <i>Angewandte Chemie</i> , 2015, 127, 2573-2577.	2.0	17
33	Dye-conjugated complementary lipophilic nucleosides as useful probes to study association processes by fluorescence resonance energy transfer. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 7558-7565.	2.8	17
34	Pyridyl and pyridiniumyl $\beta^2$ -diketones as building blocks for palladium(II) and allyl-palladium(II) isomers. Multinuclear NMR structural elucidation and liquid crystal behaviour. <i>New Journal of Chemistry</i> , 2011, 35, 1020.	2.8	15
35	Ionic liquid crystals from $\beta^2$ -diketonyl containing pyridinium cations and tetrachlorozincate anions. <i>Inorganic Chemistry Communication</i> , 2009, 12, 214-218.	3.9	13
36	Mesomorphism of Four-Coordinated Four-Chained Metal Complexes Based on Pyrazolylpyridine Derivatives. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 481, 34-55.	0.9	12

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37	How Large Can We Build a Cyclic Assembly? Impact of Ring Size on Chelate Cooperativity in Noncovalent Macrocyclizations. <i>Angewandte Chemie</i> , 2017, 129, 15855-15859.	2.0	12
38	Diphosphines and pyrazole/pyrazolate-type ligands as building blocks in luminescent Au(I) complexes. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 2789-2796.	1.8	10
39	Reactivity of bis(long chain substituted $\beta^2$ -diketonato)palladium(II) [Pd(OOR <sub>2</sub> ) <sub>2</sub> ] towards HBF <sub>4</sub> : formation of luminescent [BF <sub>2</sub> (OOR <sub>2</sub> )] derivatives. X-ray structure of [1,3-di(4-n-butoxyphenyl)propane-1,3-dionato]difluoroboron(III). <i>Inorganic Chemistry Communication</i> , 2004, 7, 974-978.	3.9	9
40	Self-Sorting Governed by Chelate Cooperativity. <i>Journal of the American Chemical Society</i> , 2022, 144, 5450-5460.	13.7	9
41	Polar columnar assemblies of subphthalocyanines. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 33-42.	0.8	7
42	Self-Assembly of Diacetylene-Bridged Phenylenevinylene Oligomers in Water and Organic Solvents. <i>ChemPlusChem</i> , 2019, 84, 488-492.	2.8	4
43	The Role of Peripheral Amide Groups as Hydrogen-Bonding Directors in the Tubular Self-Assembly of Dinucleobase Monomers. <i>ChemPlusChem</i> , 2021, 86, 1087-1096.	2.8	3