

Josep Puigmarti-Luis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

2,870
citations

31
h-index

52
g-index

99
ext. papers

3,372
ext. citations

12.3
avg, IF

5.29
L-index

#	Paper	IF	Citations
93	In flow-based technologies: A new paradigm for the synthesis and processing of covalent-organic frameworks. <i>Chemical Engineering Journal</i> , 2022 , 435, 135117	14.7	1
92	Chirality transfer from a 3D macro shape to the molecular level by controlling asymmetric secondary flows.. <i>Nature Communications</i> , 2022 , 13, 1766	17.4	2
91	Conductive properties of triphenylene MOFs and COFs. <i>Coordination Chemistry Reviews</i> , 2022 , 460, 2144592	15.2	1
90	Biotemplating of Metal-Organic Framework Nanocrystals for Applications in Small-Scale Robotics. <i>Advanced Functional Materials</i> , 2022 , 32, 2107421	15.6	2
89	Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires. <i>Angewandte Chemie</i> , 2021 , 133, 26162	3.6	3
88	Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25958-25965	16.4	5
87	Powering and Fabrication of Small-Scale Robotics Systems.. <i>Current Robotics Reports</i> , 2021 , 2, 427-440	3.5	1
86	Exploiting Reaction-Diffusion Conditions to Trigger Pathway Complexity in the Growth of a MOF. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 15920-15927	16.4	7
85	Innentitelbild: Exploiting Reaction-Diffusion Conditions to Trigger Pathway Complexity in the Growth of a MOF (Angew. Chem. 29/2021). <i>Angewandte Chemie</i> , 2021 , 133, 15794-15794	3.6	
84	Exploiting Reaction-Diffusion Conditions to Trigger Pathway Complexity in the Growth of a MOF. <i>Angewandte Chemie</i> , 2021 , 133, 16056-16063	3.6	
83	Synthesis of 2D Porous Crystalline Materials in Simulated Microgravity. <i>Advanced Materials</i> , 2021 , 33, e2101777	24	5
82	Advanced technologies for the fabrication of MOF thin films. <i>Materials Horizons</i> , 2021 , 8, 168-178	14.4	21
81	Liquid atomic layer deposition as emergent technology for the fabrication of thin films. <i>Dalton Transactions</i> , 2021 , 50, 6373-6381	4.3	3
80	An interdisciplinary and application-oriented approach to teach microfluidics. <i>Biomicrofluidics</i> , 2021 , 15, 014104	3.2	0
79	Helical Klinotactic Locomotion of Two-Link Nanoswimmers with Dual-Function Drug-Loaded Soft Polysaccharide Hinges. <i>Advanced Science</i> , 2021 , 8, 2004458	13.6	7
78	Magnetoelectric coupling in micropatterned BaTiO ₃ /CoFe ₂ O ₄ epitaxial thin film structures: Augmentation and site-dependency. <i>Applied Physics Letters</i> , 2021 , 119, 012901	3.4	5
77	Biodegradable Small-Scale Swimmers for Biomedical Applications. <i>Advanced Materials</i> , 2021 , 33, e2102049	14.9	12

76	Green synthesis of imine-based covalent organic frameworks in water. <i>Chemical Communications</i> , 2020 , 56, 6704-6707	5.8	30
75	3D-Printed Soft Magnetolectric Microswimmers for Delivery and Differentiation of Neuron-Like Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1910323	15.6	82
74	Biomimetic Synthesis of Sub-20 nm Covalent Organic Frameworks in Water. <i>Journal of the American Chemical Society</i> , 2020 , 142, 3540-3547	16.4	33
73	Exploiting electrolyte confinement effects for the electrosynthesis of two-engine micromachines. <i>Applied Materials Today</i> , 2020 , 19, 100629	6.6	2
72	Pathway selection as a tool for crystal defect engineering: A case study with a functional coordination polymer. <i>Applied Materials Today</i> , 2020 , 20, 100632	6.6	3
71	Metal-Organic Frameworks in Motion. <i>Chemical Reviews</i> , 2020 , 120, 11175-11193	68.1	35
70	CANDYBOTS: A New Generation of 3D-Printed Sugar-Based Transient Small-Scale Robots. <i>Advanced Materials</i> , 2020 , 32, e2005652	24	13
69	Microfluidic-Assisted Blade Coating of Compositional Libraries for Combinatorial Applications: The Case of Organic Photovoltaics. <i>Advanced Energy Materials</i> , 2020 , 10, 2001308	21.8	4
68	Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions. <i>Angewandte Chemie</i> , 2020 , 132, 19355-19363	3.6	3
67	Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19193-19201	16.4	11
66	Biodegradable Metal-Organic Framework-Based Microrobots (MOFBOTs). <i>Advanced Healthcare Materials</i> , 2020 , 9, e2001031	10.1	32
65	SERS Barcode Libraries: A Microfluidic Approach. <i>Advanced Science</i> , 2020 , 7, 1903172	13.6	13
64	Growing and Shaping Metal-Organic Framework Single Crystals at the Millimeter Scale. <i>Journal of the American Chemical Society</i> , 2020 , 142, 9372-9381	16.4	21
63	Continuous- versus Segmented-Flow Microfluidic Synthesis in Materials Science. <i>Crystals</i> , 2019 , 9, 12	2.3	19
62	MOFBOTS: Metal-Organic-Framework-Based Biomedical Microrobots. <i>Advanced Materials</i> , 2019 , 31, e1901592	15.92	84
61	Magnetically driven piezoelectric soft microswimmers for neuron-like cell delivery and neuronal differentiation. <i>Materials Horizons</i> , 2019 , 6, 1512-1516	14.4	46
60	Fabrication of arbitrary three-dimensional suspended hollow microstructures in transparent fused silica glass. <i>Nature Communications</i> , 2019 , 10, 1439	17.4	42
59	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie</i> , 2019 , 131, 13684-13689	3.6	2

58	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13550-13555	16.4	18
57	MetalOrganic Frameworks: In-Flow MOF Lithography (Adv. Mater. Technol. 6/2019). <i>Advanced Materials Technologies</i> , 2019 , 4, 1970035	6.8	
56	In-Flow MOF Lithography. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800666	6.8	7
55	Imaging Technologies for Biomedical Micro- and Nanoswimmers. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800575	6.8	53
54	Biocompatibility characteristics of the metal organic framework ZIF-8 for therapeutical applications. <i>Applied Materials Today</i> , 2018 , 11, 13-21	6.6	108
53	Mobile Magnetic Nanocatalysts for Bioorthogonal Targeted Cancer Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1705920	15.6	58
52	Synthesis of graphene-based photocatalysts for water splitting by laser-induced doping with ionic liquids. <i>Carbon</i> , 2018 , 130, 48-58	10.4	20
51	Self-assembled materials and supramolecular chemistry within microfluidic environments: from common thermodynamic states to non-equilibrium structures. <i>Chemical Society Reviews</i> , 2018 , 47, 3788-3803	58.5	76
50	Spatiotemporally controlled electrodeposition of magnetically driven micromachines based on the inverse opal architecture. <i>Electrochemistry Communications</i> , 2017 , 81, 97-101	5.1	11
49	Microfluidic-based Synthesis of Covalent Organic Frameworks (COFs): A Tool for Continuous Production of COF Fibers and Direct Printing on a Surface. <i>Journal of Visualized Experiments</i> , 2017 ,	1.6	3
48	Drug-Loaded Supramolecular Gels Prepared in a Microfluidic Platform: Distinctive Rheology and Delivery through Controlled Far-from-Equilibrium Mixing. <i>ACS Omega</i> , 2017 , 2, 8849-8858	3.9	10
47	Functional supramolecular tetrathiafulvalene-based films with mixed valences states. <i>Polymer</i> , 2016 , 103, 251-260	3.9	1
46	Freezing the Nonclassical Crystal Growth of a Coordination Polymer Using Controlled Dynamic Gradients. <i>Advanced Materials</i> , 2016 , 28, 8150-8155	24	16
45	Microfluidic Pneumatic Cages: A Novel Approach for In-chip Crystal Trapping, Manipulation and Controlled Chemical Treatment. <i>Journal of Visualized Experiments</i> , 2016 ,	1.6	2
44	Crystalline fibres of a covalent organic framework through bottom-up microfluidic synthesis. <i>Chemical Communications</i> , 2016 , 52, 9212-5	5.8	73
43	Milliseconds Make the Difference in the Far-from-Equilibrium Self-Assembly of Supramolecular Chiral Nanostructures. <i>Journal of the American Chemical Society</i> , 2016 , 138, 6920-3	16.4	49
42	Bottom-up on-crystal in-chip formation of a conducting salt and a view of its restructuring: from organic insulator to conducting "switch" through microfluidic manipulation. <i>Chemical Science</i> , 2015 , 6, 3471-3477	9.4	2
41	The electrochemical manipulation of apolar solvent drops in aqueous electrolytes by altering the surface polarity of polypyrrole architectures. <i>Electrochemistry Communications</i> , 2015 , 54, 32-35	5.1	6

40	Tunable release of hydrophilic compounds from hydrophobic nanostructured fibers prepared by emulsion electrospinning. <i>Polymer</i> , 2015 , 66, 268-276	3.9	31
39	Coordination-directed self-assembly of a simple benzothiadiazole-fused tetrathiafulvalene to low-bandgap metallogels. <i>Chemical Communications</i> , 2015 , 51, 15063-6	5.8	22
38	Laser-induced chemical transformation of graphene oxide/iron oxide nanoparticles composites deposited on polymer substrates. <i>Carbon</i> , 2015 , 93, 373-383	10.4	17
37	Assembling Supramolecular Rotors on Surfaces Under Ambient Conditions. <i>Advances in Atom and Single Molecule Machines</i> , 2015 , 127-141	0	
36	Microfluidic platforms: a mainstream technology for the preparation of crystals. <i>Chemical Society Reviews</i> , 2014 , 43, 2253-71	58.5	91
35	Hierarchical growth of curved organic nanowires upon evaporation induced self-assembly. <i>Chemical Communications</i> , 2014 , 50, 13216-9	5.8	7
34	Bottom-up assembly of a surface-anchored supramolecular rotor enabled using a mixed self-assembled monolayer and pre-complexed components. <i>Chemical Communications</i> , 2014 , 50, 82-4	5.8	18
33	Localized, stepwise template growth of functional nanowires from an amino acid-supported framework in a microfluidic chip. <i>ACS Nano</i> , 2014 , 8, 818-26	16.7	18
32	Highly conductive single-molecule wires with controlled orientation by coordination of metalloporphyrins. <i>Nano Letters</i> , 2014 , 14, 4751-6	11.5	40
31	"Dual-template" synthesis of one-dimensional conductive nanoparticle superstructures from coordination metal-peptide polymer crystals. <i>Small</i> , 2013 , 9, 4160-7	11	13
30	Confined synthesis and integration of functional materials in sub-nanoliter volumes. <i>ACS Nano</i> , 2013 , 7, 183-90	16.7	21
29	CHAPTER 7: Optic and Electronic Applications of Molecular Gels. <i>RSC Soft Matter</i> , 2013 , 195-254	0.5	1
28	Twists and turns in the hierarchical self-assembly pathways of a non-amphiphilic chiral supramolecular material. <i>Chemical Communications</i> , 2012 , 48, 4552-4	5.8	53
27	Coordination polymer nanofibers generated by microfluidic synthesis. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4216-9	16.4	90
26	Gene delivery with bisphosphonate-stabilized calcium phosphate nanoparticles. <i>Journal of Controlled Release</i> , 2011 , 150, 87-93	11.7	94
25	Controlling the length and location of in situ formed nanowires by means of microfluidic tools. <i>Lab on A Chip</i> , 2011 , 11, 753-7	7.2	21
24	Guided assembly of metal and hybrid conductive probes using floating potential dielectrophoresis. <i>Nanoscale</i> , 2011 , 3, 937-40	7.7	6
23	Nanocomposites combining conducting and superparamagnetic components prepared via an organogel. <i>Soft Matter</i> , 2011 , 7, 2755	3.6	11

22	Self-assembly of supramolecular wires and cross-junctions and efficient electron tunnelling across them. <i>Chemical Science</i> , 2011 , 2, 1945	9.4	18
21	Hierarchical chiral expression from the nano- to mesoscale in synthetic supramolecular helical fibers of a nonamphiphilic C ₃ -symmetrical functional molecule. <i>Journal of the American Chemical Society</i> , 2011 , 133, 8344-53	16.4	139
20	Guided assembly of nanowires and their integration in microfluidic devices. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1346, 1		1
19	Anisotropy in structural and physical properties in tetrathiafulvalene derivatives-based zone-cast layers as seen by Raman spectroscopy, UV-visible spectroscopy, and field effect measurements. <i>Journal of Applied Physics</i> , 2010 , 108, 014504	2.5	17
18	Solvent effect on the morphology and function of novel gel-derived molecular materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 466-474		58
17	Use of unnatural beta-peptides as a self-assembling component in functional organic fibres. <i>Organic and Biomolecular Chemistry</i> , 2010 , 8, 1661-5	3.9	27
16	Gels as a soft matter route to conducting nanostructured organic and composite materials. <i>Soft Matter</i> , 2010 , 6, 1605	3.6	62
15	High-density micro-arrays for mass spectrometry. <i>Lab on A Chip</i> , 2010 , 10, 3206-9	7.2	90
14	A microfluidic approach for the formation of conductive nanowires and hollow hybrid structures. <i>Advanced Materials</i> , 2010 , 22, 2255-9	24	70
13	Rich Phase Behavior in a Supramolecular Conducting Material Derived from an Organogelator. <i>Advanced Functional Materials</i> , 2009 , 19, 934-941	15.6	30
12	Supramolecular electroactive organogel and conducting nanofibers with C ₃ -symmetrical architectures. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4495		54
11	Layer-by-layer electropeeling of organic conducting material imaged in real time. <i>Small</i> , 2009 , 5, 214-20	11	5
10	TTF-based bent-core liquid crystals. <i>Chemical Communications</i> , 2008 , 2523-5	5.8	22
9	Bottom-up assembly of high density molecular nanowire cross junctions at a solid/liquid interface. <i>Chemical Communications</i> , 2008 , 703-5	5.8	33
8	Assembly of functional molecular nanostructures on surfaces. <i>Chemical Society Reviews</i> , 2008 , 37, 490-504	38.5	125
7	Monolayer self-assembly at liquid/solid interfaces: chirality and electronic properties of molecules at surfaces. <i>Journal of Physics Condensed Matter</i> , 2008 , 20, 184003	1.8	13
6	Shaping supramolecular nanofibers with nanoparticles forming complementary hydrogen bonds. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1861-5	16.4	79
5	Shaping Supramolecular Nanofibers with Nanoparticles Forming Complementary Hydrogen Bonds. <i>Angewandte Chemie</i> , 2008 , 120, 1887-1891	3.6	14

4	Supramolecular conducting nanowires from organogels. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 238-41	16.4	220
3	Supramolecular Conducting Nanowires from Organogels. <i>Angewandte Chemie</i> , 2007 , 119, 242-245	3.6	52
2	Chemical and constitutional influences in the self-assembly of functional supramolecular hydrogen-bonded nanoscopic fibres. <i>Chemistry - A European Journal</i> , 2006 , 12, 9161-75	4.8	43
1	Noncovalent control for bottom-up assembly of functional supramolecular wires. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12602-3	16.4	75