

Josep Puigmarti-Luis

List of Publications by Citations

Source: <https://exaly.com/author-pdf/5989623/josep-puigmarti-luis-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Supramolecular conducting nanowires from organogels. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 238-41	16.4	220
92	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
91	Assembly of functional molecular nanostructures on surfaces. <i>Chemical Society Reviews</i> , 2008 , 37, 490-504	34.5	125
90	Biocompatibility characteristics of the metal organic framework ZIF-8 for therapeutical applications. <i>Applied Materials Today</i> , 2018 , 11, 13-21	6.6	108
89	Gene delivery with bisphosphonate-stabilized calcium phosphate nanoparticles. <i>Journal of Controlled Release</i> , 2011 , 150, 87-93	11.7	94
88	Microfluidic platforms: a mainstream technology for the preparation of crystals. <i>Chemical Society Reviews</i> , 2014 , 43, 2253-71	58.5	91
87	Coordination polymer nanofibers generated by microfluidic synthesis. <i>Journal of the American Chemical Society</i> , 2011 , 133, 4216-9	16.4	90
86	High-density micro-arrays for mass spectrometry. <i>Lab on A Chip</i> , 2010 , 10, 3206-9	7.2	90
85	MOFBOTS: Metal-Organic-Framework-Based Biomedical Microrobots. <i>Advanced Materials</i> , 2019 , 31, e1901592	15.2	84
84	3D-Printed Soft Magnetolectric Microswimmers for Delivery and Differentiation of Neuron-Like Cells. <i>Advanced Functional Materials</i> , 2020 , 30, 1910323	15.6	82
83	Shaping supramolecular nanofibers with nanoparticles forming complementary hydrogen bonds. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 1861-5	16.4	79
82	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
81	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
80	Crystalline fibres of a covalent organic framework through bottom-up microfluidic synthesis. <i>Chemical Communications</i> , 2016 , 52, 9212-5	5.8	73
79	A microfluidic approach for the formation of conductive nanowires and hollow hybrid structures. <i>Advanced Materials</i> , 2010 , 22, 2255-9	24	70
78	Gels as a soft matter route to conducting nanostructured organic and composite materials. <i>Soft Matter</i> , 2010 , 6, 1605	3.6	62
77	Mobile Magnetic Nanocatalysts for Bioorthogonal Targeted Cancer Therapy. <i>Advanced Functional Materials</i> , 2018 , 28, 1705920	15.6	58

76	Solvent effect on the morphology and function of novel gel-derived molecular materials. <i>Journal of Materials Chemistry</i> , 2010 , 20, 466-474		58
75	Supramolecular electroactive organogel and conducting nanofibers with C3-symmetrical architectures. <i>Journal of Materials Chemistry</i> , 2009 , 19, 4495		54
74	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
73	Imaging Technologies for Biomedical Micro- and Nanoswimmers. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800575	6.8	53
72	Supramolecular Conducting Nanowires from Organogels. <i>Angewandte Chemie</i> , 2007 , 119, 242-245	3.6	52
71	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
70	Magnetically driven piezoelectric soft microswimmers for neuron-like cell delivery and neuronal differentiation. <i>Materials Horizons</i> , 2019 , 6, 1512-1516	14.4	46
69	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
68	Fabrication of arbitrary three-dimensional suspended hollow microstructures in transparent fused silica glass. <i>Nature Communications</i> , 2019 , 10, 1439	17.4	42
67	Highly conductive single-molecule wires with controlled orientation by coordination of metalloporphyrins. <i>Nano Letters</i> , 2014 , 14, 4751-6	11.5	40
66	Metal-Organic Frameworks in Motion. <i>Chemical Reviews</i> , 2020 , 120, 11175-11193	68.1	35
65	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
64	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
63	Biodegradable Metal-Organic Framework-Based Microrobots (MOFBOTs). <i>Advanced Healthcare Materials</i> , 2020 , 9, e2001031	10.1	32
62	Tunable release of hydrophilic compounds from hydrophobic nanostructured fibers prepared by emulsion electrospinning. <i>Polymer</i> , 2015 , 66, 268-276	3.9	31
61	Green synthesis of imine-based covalent organic frameworks in water. <i>Chemical Communications</i> , 2020 , 56, 6704-6707	5.8	30
60	Rich Phase Behavior in a Supramolecular Conducting Material Derived from an Organogelator. <i>Advanced Functional Materials</i> , 2009 , 19, 934-941	15.6	30
59	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

58	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
57	TTF-based bent-core liquid crystals. <i>Chemical Communications</i> , 2008 , 2523-5	5.8	22
56	Confined synthesis and integration of functional materials in sub-nanoliter volumes. <i>ACS Nano</i> , 2013 , 7, 183-90	16.7	21
55	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
54	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
53	Advanced technologies for the fabrication of MOF thin films. <i>Materials Horizons</i> , 2021 , 8, 168-178	14.4	21
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	Continuous- versus Segmented-Flow Microfluidic Synthesis in Materials Science. <i>Crystals</i> , 2019 , 9, 12	2.3	19
50	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 13550-13555	16.4	18
49	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
48	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
47	Self-assembly of supramolecular wires and cross-junctions and efficient electron tunnelling across them. <i>Chemical Science</i> , 2011 , 2, 1945	9.4	18
46	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
45	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
44	Freezing the Nonclassical Crystal Growth of a Coordination Polymer Using Controlled Dynamic Gradients. <i>Advanced Materials</i> , 2016 , 28, 8150-8155	24	16
43	Shaping Supramolecular Nanofibers with Nanoparticles Forming Complementary Hydrogen Bonds. <i>Angewandte Chemie</i> , 2008 , 120, 1887-1891	3.6	14
42	"Dual-template" synthesis of one-dimensional conductive nanoparticle superstructures from coordination metal-peptide polymer crystals. <i>Small</i> , 2013 , 9, 4160-7	11	13
41	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

40	CANDYBOTS: A New Generation of 3D-Printed Sugar-Based Transient Small-Scale Robots. <i>Advanced Materials</i> , 2020 , 32, e2005652	24	13
39	SERS Barcode Libraries: A Microfluidic Approach. <i>Advanced Science</i> , 2020 , 7, 1903172	13.6	13
38	Biodegradable Small-Scale Swimmers for Biomedical Applications. <i>Advanced Materials</i> , 2021 , 33, e2102049	11	12
37	Spatiotemporally controlled electrodeposition of magnetically driven micromachines based on the inverse opal architecture. <i>Electrochemistry Communications</i> , 2017 , 81, 97-101	5.1	11
36	Nanocomposites combining conducting and superparamagnetic components prepared via an organogel. <i>Soft Matter</i> , 2011 , 7, 2755	3.6	11
35	Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 19193-19201	16.4	11
34	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
33	Hierarchical growth of curved organic nanowires upon evaporation induced self-assembly. <i>Chemical Communications</i> , 2014 , 50, 13216-9	5.8	7
32	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
31	In-Flow MOF Lithography. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800666	6.8	7
30	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
29	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
28	Guided assembly of metal and hybrid conductive probes using floating potential dielectrophoresis. <i>Nanoscale</i> , 2011 , 3, 937-40	7.7	6
27	Layer-by-layer electropeeling of organic conducting material imaged in real time. <i>Small</i> , 2009 , 5, 214-20	11	5
26	Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 25958-25965	16.4	5
25	Synthesis of 2D Porous Crystalline Materials in Simulated Microgravity. <i>Advanced Materials</i> , 2021 , 33, e2101777	24	5
24	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
23	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

22	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
21	Room-Temperature Spin-Dependent Transport in Metalloporphyrin-Based Supramolecular Wires. <i>Angewandte Chemie</i> , 2021 , 133, 26162	3.6	3
20	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
19	Tuning Single-Molecule Conductance in Metalloporphyrin-Based Wires via Supramolecular Interactions. <i>Angewandte Chemie</i> , 2020 , 132, 19355-19363	3.6	3
18	Liquid atomic layer deposition as emergent technology for the fabrication of thin films. <i>Dalton Transactions</i> , 2021 , 50, 6373-6381	4.3	3
17	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
16	Exploiting electrolyte confinement effects for the electrosynthesis of two-engine micromachines. <i>Applied Materials Today</i> , 2020 , 19, 100629	6.6	2
15	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
14	Mineralization-Inspired Synthesis of Magnetic Zeolitic Imidazole Framework Composites. <i>Angewandte Chemie</i> , 2019 , 131, 13684-13689	3.6	2
13	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
12	Biotemplating of Metal-Organic Framework Nanocrystals for Applications in Small-Scale Robotics. <i>Advanced Functional Materials</i> , 2022 , 32, 2107421	15.6	2
11	Functional supramolecular tetrathiafulvalene-based films with mixed valences states. <i>Polymer</i> , 2016 , 103, 251-260	3.9	1
10	CHAPTER 7: Optic and Electronic Applications of Molecular Gels. <i>RSC Soft Matter</i> , 2013 , 195-254	0.5	1
9	Guided assembly of nanowires and their integration in microfluidic devices. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1346, 1		1
8	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
7	Powering and Fabrication of Small-Scale Robotics Systems.. <i>Current Robotics Reports</i> , 2021 , 2, 427-440	3.5	1
6	Conductive properties of triphenylene MOFs and COFs. <i>Coordination Chemistry Reviews</i> , 2022 , 460, 2144592	5.2	1
5	An interdisciplinary and application-oriented approach to teach microfluidics. <i>Biomicrofluidics</i> , 2021 , 15, 014104	3.2	0

- | | | |
|---|---|-----|
| 4 | Metal-Organic Frameworks: In-Flow MOF Lithography (Adv. Mater. Technol. 6/2019). <i>Advanced Materials Technologies</i> , 2019 , 4, 1970035 | 6.8 |
| 3 | Assembling Supramolecular Rotors on Surfaces Under Ambient Conditions. <i>Advances in Atom and Single Molecule Machines</i> , 2015 , 127-141 | 0 |
| 2 | 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 |
| 1 | Exploiting Reaction-Diffusion Conditions to Trigger Pathway Complexity in the Growth of a MOF. <i>Angewandte Chemie</i> , 2021 , 133, 16056-16063 | 3.6 |