David Rodrguez-San-Miguel

List of Publications by Citations

29 papers	1,782 citations	17 h-index	32 g-index
32 ext. papers	2,123 ext. citations	14.6 avg, IF	5.25 L-index

#	Paper	IF	Citations
29	Mechanical Isolation of Highly Stable Antimonene under Ambient Conditions. *Advanced Materials*, **2016**, 28, 6332-6	24	374
28	Few-Layer Antimonene by Liquid-Phase Exfoliation. *Angewandte Chemie - International Edition*, **2016**, 55, 14345-14349	16.4	299
27	Covalent organic framework nanosheets: preparation, properties and applications. *Chemical Society Reviews*, **2020**, 49, 2291-2302	58.5	135
26	Ionic Conductivity and Potential Application for Fuel Cell of a Modified Imine-Based Covalent Organic Framework. *Journal of the American Chemical Society*, **2017**, 139, 10079-10086	16.4	135
25	MasterChem: cooking 2D-polymers. *Chemical Communications*, **2016**, 52, 4113-27	5.8	94
24	Direct On-Surface Patterning of a Crystalline Laminar Covalent Organic Framework Synthesized at Room Temperature. *Chemistry - A European Journal*, **2015**, 21, 10666-70	4.8	93
23	SERS Barcode Libraries: SERS Barcode Libraries: A Microfluidic Approach (Adv. Sci. 12/2020). *Advanced Science*, **2020**, 7, 2070068	13.6	78
22	Processing of covalent organic frameworks: an ingredient for a material to succeed. *Chemical Society Reviews*, **2019**, 48, 4375-4386	58.5	76
21	Crystalline fibres of a covalent organic framework through bottom-up microfluidic synthesis. *Chemical Communications*, **2016**, 52, 9212-5	5.8	73
20	Metal-functionalized covalent organic frameworks as precursors of supercapacitive porous N-doped graphene. *Journal of Materials Chemistry A*, **2017**, 5, 4343-4351	13	71
19	Noncovalent Functionalization and Charge Transfer in Antimonene. *Angewandte Chemie - International Edition*, **2017**, 56, 14389-14394	16.4	68
18	Few-Layer Antimonene by Liquid-Phase Exfoliation. *Angewandte Chemie*, **2016**, 128, 14557-14561	3.6	53
17	Confining Functional Nanoparticles into Colloidal Imine-Based COF Spheres by a Sequential Encapsulation-Crystallization Method. *Chemistry - A European Journal*, **2017**, 23, 8623-8627	4.8	42
16	Biomimetic Synthesis of Sub-20 nm Covalent Organic Frameworks in Water. *Journal of the American Chemical Society*, **2020**, 142, 3540-3547	16.4	33
15	Green synthesis of imine-based covalent organic frameworks in water. *Chemical Communications*, **2020**, 56, 6704-6707	5.8	30
14	Noncovalent Functionalization and Charge Transfer in Antimonene. *Angewandte Chemie*, **2017**, 129, 14581-14586	3.6	24
13	Antimonene: Mechanical Isolation of Highly Stable Antimonene under Ambient Conditions (Adv. Mater. 30/2016). *Advanced Materials*, **2016**, 28, 6515	24	20

List of Publications

12	Macroscopic Ultralight Aerogel Monoliths of Imine-based Covalent Organic Frameworks. *Angewandte Chemie - International Edition*, **2021**, 60, 13969-13977	16.4	17
11	Sub-micron spheres of an imine-based covalent organic framework: supramolecular functionalization and water-dispersibility. *CrystEngComm*, **2017**, 19, 4872-4876	3.3	13
10	SERS Barcode Libraries: A Microfluidic Approach. *Advanced Science*, **2020**, 7, 1903172	13.6	13
9	Spray drying for making covalent chemistry II: synthesis of covalent-organic framework superstructures and related composites. *Chemical Communications*, **2017**, 53, 11372-11375	5.8	11
8	Exfoliation of Alpha-Germanium: A Covalent Diamond-Like Structure. *Advanced Materials*, **2021**, 33, e2006826	29	8
7	Supramolecular attachment of metalloporphyrins to graphene oxide and its pyridine-containing derivative. *Chemistry - A European Journal*, **2013**, 19, 10463-7	4.8	6
6	Synthesis of 2D Porous Crystalline Materials in Simulated Microgravity. *Advanced Materials*, **2021**, 33, e2101777	24	5
5	Microfluidic-Assisted Blade Coating of Compositional Libraries for Combinatorial Applications: The Case of Organic Photovoltaics. *Advanced Energy Materials*, **2020**, 10, 2001308	21.8	4
4	Microfluidic-based Synthesis of Covalent Organic Frameworks (COFs): A Tool for Continuous Production of COF Fibers and Direct Printing on a Surface. *Journal of Visualized Experiments*, **2017**,	1.6	3
3	From Layered MOFs to Structuring at the Meso-/Macroscopic Scale **2018**, 81-121		1
2	Macroscopic Ultralight Aerogel Monoliths of Imine-based Covalent Organic Frameworks. *Angewandte Chemie*, **2021**, 133, 14088-14096	3.6	1
1	Few-layer antimonene electrical properties. *Applied Materials Today*, **2021**, 24, 101132	6.6	0