JÃ©sus Raya

List of Publications by Year
in descending order

45 papers	2,118 citations	201674 27 h-index	243625 44 g-index
45 all docs	45 docs citations	45 times ranked	3082 citing authors

#	Article	IF	Citations
1	Metallated Isoindigoâ€“Porphyrin Covalent Organic Framework Photocatalyst with a Narrow Band Gap for Efficient CO₂ Conversion. ACS Applied Materials & Interfaces, 2022, 14, 2015-2022.	8.0	31
2	Infrared spectroscopy quantification of functional carbon groups in kerogens and coals: A calibration procedure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2021, 259, 119853.	3.9	12
3	Remarkably efficient removal of toxic bromate from drinking water with a porphyrinâ€“viologen covalent organic framework. Chemical Science, 2020, 11, 845-850.	7.4	63
4	Is carboxylation an efficient method for graphene oxide functionalization?. Nanoscale Advances, 2020, 2, 4085-4092.	4.6	26
5	Rapid and Efficient Removal of Perfluorooctanoic Acid from Water with Fluorine-Rich Calixarene-Based Porous Polymers. ACS Applied Materials & Interfaces, 2020, 12, 43160-43166.	8.0	40
6	Kinetics of 1Hâ€“13C multiple-contact cross-polarization as a powerful tool to determine the structure and dynamics of complex materials: application to graphene oxide. Physical Chemistry Chemical Physics, 2020, 22, 12209-12227.	2.8	14
7	A concerted evolution of supramolecular interactions in a {cation; metal complex; Ï€-acid; solvent} anion-Ï€ system. Inorganic Chemistry Frontiers, 2020, 7, 1851-1863.	6.0	6
8	Fast and efficient removal of paraquat in water by porous polycalix[<i>n</i>]arenes (<i>n</i> = 4, 6,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	10.3	34
9	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Azaâ€Dielsâ€“Alder Reaction: Towards Highâ€Performance Supercapacitor Materials. Angewandte Chemie, 2020, 132, 19770-19777.	2.0	13
10	Synthesis of Robust MOFs@COFs Porous Hybrid Materials via an Azaâ€Dielsâ€“Alder Reaction: Towards Highâ€Performance Supercapacitor Materials. Angewandte Chemie - International Edition, 2020, 59, 19602-19609.	13.8	133
11	Strategies for the Controlled Covalent Double Functionalization of Graphene Oxide. Chemistry - A European Journal, 2020, 26, 6591-6598.	3.3	27
12	A Straightforward Approach to Multifunctional Graphene. Chemistry - A European Journal, 2019, 25, 13218-13223.	3.3	12
13	Trichogin GA IV Alignment and Oligomerization in Phospholipid Bilayers. ChemBioChem, 2019, 20, 2141-2150.	2.6	10
14	Solid-State NMR Approaches to Study Protein Structure and Proteinâ€“Lipid Interactions. Methods in Molecular Biology, 2019, 2003, 563-598.	0.9	5
15	Thioether-Crown-Rich Calix[4]arene Porous Polymer for Highly Efficient Removal of Mercury from Water. ACS Applied Materials & Interfaces, 2019, 11, 12898-12903.	8.0	52
16	Calix[4]arene-Based Porous Organic Nanosheets. ACS Applied Materials & Interfaces, 2018, 10, 17359-17365.	8.0	39
17	Redoxâ€Responsive Covalent Organic Nanosheets from Viologens and Calix[4]arene for Iodine and Toxic Dye Capture. Chemistry - A European Journal, 2018, 24, 8648-8655.	3.3	43
18	Porous Polycalix[4]arenes for Fast and Efficient Removal of Organic Micropollutants from Water. ACS Applied Materials & Interfaces, 2018, 10, 2976-2981.	8.0	87

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19	Controlled derivatization of hydroxyl groups of graphene oxide in mild conditions. 2D Materials, 2018, 5, 035037.	4.4	42
20	Viologen-Based Conjugated Covalent Organic Networks via Zincke Reaction. Journal of the American Chemical Society, 2017, 139, 9558-9565.	13.7	228
21	Structural Characterization of the Amyloid Precursor Protein Transmembrane Domain and Its Î³-Cleavage Site. ACS Omega, 2017, 2, 6525-6534.	3.5	26
22	Lithiated Polycalix[4]arenes for Efficient Adsorption of Iodine from Solution and Vapor Phases. Chemistry of Materials, 2017, 29, 8968-8972.	6.7	117
23	pH-Dependent Membrane Interactions of the Histidine-Rich Cell-Penetrating Peptide LAH4-L1. Biophysical Journal, 2017, 113, 1290-1300.	0.5	51
24	Elucidation of siRNA complexation efficiency by graphene oxide and reduced graphene oxide. Carbon, 2017, 122, 643-652.	10.3	29
25	An ultra-absorbent alkyne-rich porous covalent polycalix[4]arene for water purification. Journal of Materials Chemistry A, 2017, 5, 62-66.	10.3	77
26	Characterization of biomass char formation investigated by advanced solid state NMR. Carbon, 2016, 108, 165-177.	10.3	54
27	Chemical reactivity of graphene oxide towards amines elucidated by solid-state NMR. Nanoscale, 2016, 8, 13714-13721.	5.6	136
28	Alamethicin Supramolecular Organization in Lipid Membranes from 19F Solid-State NMR. Biophysical Journal, 2016, 111, 2450-2459.	0.5	28
29	Biobased Composite Films from Chitosan and Lignin: Antioxidant Activity Related to Structure and Moisture. ACS Sustainable Chemistry and Engineering, 2016, 4, 6371-6381.	6.7	103
30	Covalent Tethering and Residues with Bulky Hydrophobic Side Chains Enable Selfâ€Assembly of Distinct Amyloid Structures. ChemBioChem, 2016, 17, 2274-2285.	2.6	9
31	High Resolution Solid State 2D NMR Analysis of Biomass and Biochar. Analytical Chemistry, 2015, 87, 843-847.	6.5	46
32	Water-induced local ordering of chitosan polymer chains in thin layer films. Carbohydrate Polymers, 2015, 118, 107-114.	10.2	18
33	15N chemical shift referencing in solid state NMR. Solid State Nuclear Magnetic Resonance, 2014, 61-62, 15-18.	2.3	112
34	New Insights into the Hydrogen Bond Network in Al-MIL-53 and Ga-MIL-53. Journal of Physical Chemistry C, 2014, 118, 22021-22029.	3.1	34
35	Chemical shift powder spectra enhanced by multiple-contact cross-polarization under slow magic-angle spinning. Journal of Magnetic Resonance, 2013, 227, 93-102.	2.1	23
36	Double Functionalization of Carbon Nanotubes with Purine and Pyrimidine Derivatives. Chemistry - an Asian Journal, 2013, 8, 1472-1481.	3.3	15

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37	Carbon Nanotubeâ€"Nucleobase Hybrids: Nanorings from Uracilâ€Modified Singleâ€Walled Carbon Nanotubes. Chemistry - A European Journal, 2011, 17, 6772-6780.	3.3	41
38	Insertion of indigo molecules in the sepiolite structure as evidenced by 1Hâ€"29Si heteronuclear correlation spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 14508.	2.8	27
39	The Incorporation of Indigo Molecules in Sepiolite Tunnels. Chemistry - A European Journal, 2009, 15, 11326-11332.	3.3	67
40	Synthesis and Characterization of Nucleobaseâˆ'Carbon Nanotube Hybrids. Journal of the American Chemical Society, 2009, 131, 13555-13562.	13.7	71
41	Self-Promoted Cellular Uptake of Peptide/DNA Transfection Complexes. Biochemistry, 2007, 46, 11253-11262.	2.5	50
42	13C/15N distance determination by CPMAS NMR in uniformly13C labeled molecules. Magnetic Resonance in Chemistry, 2006, 44, 174-177.	1.9	0
43	19F/29Si distance determination and heteronuclear spin counting under fast magic-angle spinning in fluoride-containing octadecasil. Comptes Rendus Chimie, 2004, 7, 363-369.	0.5	4
44	l19F/29Si Rotational-Echo Double-Resonance and Heteronuclear Spin Counting under Fast Magic-Angle Spinning in Fluoride-Containing Octadecasil. Solid State Nuclear Magnetic Resonance, 2002, 22, 188-203.	2.3	9
45	distance determination in fluoride-containing octadecasil by Hartmannâ€"Hahn cross-polarization under fast magic-angle spinning. Solid State Nuclear Magnetic Resonance, 1999, 13, 219-229.	2.3	54