

Roland Benoit

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Magnetic Nanocarriers of Doxorubicin Coated with Poly(ethylene glycol) and Folic Acid: Relation between Coating Structure, Surface Properties, Colloidal Stability, and Cancer Cell Targeting. <i>Langmuir</i> , 2012, 28, 1496-1505.	3.5	111
2	Synthesis and Evaluation of Novel Biocompatible Super-paramagnetic Iron Oxide Nanoparticles as Magnetic Anticancer Drug Carrier and Fluorescence Active Label. <i>Journal of Physical Chemistry C</i> , 2010, 114, 5850-5858.	3.1	53
3	New carbon multiwall nanotubes \AA TiO ₂ nanocomposites obtained by the sol-gel method. <i>Journal of Non-Crystalline Solids</i> , 2004, 345-346, 596-600.	3.1	41
4	Oxidation of di-n-butyl ether: Experimental characterization of low-temperature products in JSR and RCM. <i>Combustion and Flame</i> , 2020, 222, 133-144.	5.2	25
5	Clay/Carbon Nanocomposites as Precursors of Electrode Materials for Lithium-Ion Batteries and Supercapacitors. <i>Molecular Crystals and Liquid Crystals</i> , 2000, 340, 449-454.	0.3	22
6	Oxidation of di-n-propyl ether: Characterization of low-temperature products. <i>Proceedings of the Combustion Institute</i> , 2021, 38, 337-344.	3.9	22
7	Experimental characterization of n-heptane low-temperature oxidation products including keto-hydroperoxides and highly oxygenated organic molecules (HOMs). <i>Combustion and Flame</i> , 2021, 224, 83-93.	5.2	22
8	Structural, Bonding, and Electrochemical Properties of Perfluorinated Fullerene C ₇₀ . <i>Journal of Physical Chemistry B</i> , 2001, 105, 1739-1742.	2.6	20
9	Plasma spraying of lanthanum silicate electrolytes for intermediate temperature solid oxide fuel cells (ITSOFCs). <i>Surface and Coatings Technology</i> , 2010, 205, 1060-1064.	4.8	16
10	Experimental Characterization of Tetrahydrofuran Low-Temperature Oxidation Products Including Ketohydroperoxides and Highly Oxygenated Molecules. <i>Energy & Fuels</i> , 2021, 35, 7242-7252.	5.1	13
11	Oxidation of diethyl ether: Extensive characterization of products formed at low temperature using high resolution mass spectrometry. <i>Combustion and Flame</i> , 2021, 228, 340-350.	5.2	12
12	Experimental and kinetic modeling study of n-hexane oxidation. Detection of complex low-temperature products using high-resolution mass spectrometry. <i>Combustion and Flame</i> , 2021, 233, 111581.	5.2	12
13	Bottom-up solution chemistry approaches for nanostructured thermoelectric materials. <i>Journal of Materials Chemistry A</i> , 2013, 1, 14221.	10.3	11
14	On the similarities and differences between the products of oxidation of hydrocarbons under simulated atmospheric conditions and cool flames. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 7845-7862.	4.9	10
15	Experimental and kinetic modeling study of n-pentane oxidation at 10 atm, Detection of complex low-temperature products by Q-Exactive Orbitrap. <i>Combustion and Flame</i> , 2022, 235, 111723.	5.2	9
16	Phosphonate-Mediated Immobilization of Rhodium/Bipyridine Hydrogenation Catalysts. <i>Chemistry - A European Journal</i> , 2018, 24, 2457-2465.	3.3	7
17	Low-temperature oxidation of a gasoline surrogate: Experimental investigation in JSR and RCM using high-resolution mass spectrometry. <i>Combustion and Flame</i> , 2021, 228, 128-141.	5.2	7
18	Optimisation of the surface properties of SBA-15 mesoporous silica for in-situ nanoparticle synthesis. <i>Microporous and Mesoporous Materials</i> , 2009, 120, 2-6.	4.4	6

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19	Towards a Comprehensive Characterization of the Low-Temperature Autoxidation of Di-n-Butyl Ether. <i>Molecules</i> , 2021, 26, 7174.	3.8	6
20	Impact of rapid thermal annealing on Mg-implanted GaN with a SiO ₂ /AlN cap-layer. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2017, 214, 1600438.	1.8	5
21	Gasoline Surrogate Oxidation in a Motored Engine, a JSR, and an RCM: Characterization of Cool-Flame Products by High-Resolution Mass Spectrometry. <i>Energy & Fuels</i> , 2022, 36, 3893-3908.	5.1	5
22	Phenylamide-oxime and phenylamide nanolayer covalently grafted carbon via electroreduction of the corresponding diazonium salts for detection of nickel ions. <i>Journal of Electroanalytical Chemistry</i> , 2018, 817, 101-110.	3.8	4
23	Reactions of Radicals with Hydrolyzed Bi(III) Ions: A Pulse Radiolysis Study. <i>Journal of Physical Chemistry A</i> , 2007, 111, 10640-10645.	2.5	3
24	Comparison of Zirconium Phosphonate-Modified Surfaces for Immobilizing Phosphopeptides and Phosphate-Tagged Proteins. <i>Langmuir</i> , 2016, 32, 5480-5490.	3.5	2
25	Evidence for the Reduction of Sulfates Under Representative SG Secondary Side Conditions, and for the Role of Reduced Sulfates on Alloy 600 Tubing Degradation. , 0, , 567-575.		2
26	Low-Temperature Oxidation of Di-n-Butyl Ether in a Motored Homogeneous Charge Compression Ignition (HCCI) Engine: Comparison of Characteristic Products with RCM and JSR Speciation by Orbitrap. <i>Energy & Fuels</i> , 0, , .	5.1	1