

Marc Dubois

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.

221
papers

4,986
citations

36
h-index

60
g-index

226
ext. papers

5,623
ext. citations

5.6
avg, IF

5.62
L-index

#	Paper	IF	Citations
221	Carbon fibre fluorination: Surface and structural properties. <i>Applied Surface Science</i> , 2022 , 595, 153561	6.7	
220	Graphite-Mediated Microwave-Exfoliated Graphene Fluoride as Supercapacitor Electrodes. <i>Nanomaterials</i> , 2022 , 12, 1796	5.4	1
219	C-F bonding in fluorinated N-Doped carbons. <i>Applied Surface Science</i> , 2021 , 151721	6.7	3
218	Liquid-phase exfoliation of F-diamane-like nanosheets. <i>Carbon</i> , 2021 , 175, 124-130	10.4	14
217	Optimized Electrode/Electrolyte Interface of MWCNT/SnO Composite through Gas-Solid Fluorination. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 28150-28163	9.5	1
216	Fluorinated (Nano)Carbons: CF _x Electrodes and CF _x -Based Batteries. <i>Energy Technology</i> , 2021 , 9, 20006055	9.5	9
215	From the Understanding of Fluorination Process to Hydrophobic Natural Fibers. <i>Composites Science and Technology</i> , 2021 , 461-486		
214	Reply to the Comment on Non-PGM electrocatalysts for PEM fuel cells: effect of fluorination on the activity and stability of a highly active NC_Ar + NH ₃ catalyst by Xi Yin, Edward F. Holby and Piotr Zelenay, <i>Energy Environ. Sci.</i> , 10.1039/D0EE02069A. <i>Energy and Environmental Science</i> , 2021 , 14, 1034-1041	35.4	4
213	Preparation and Applications of Fluorinated Graphenes. <i>Journal of Carbon Research</i> , 2021 , 7, 20	3.3	3
212	Carbon in lithium-ion and post-lithium-ion batteries: Recent features. <i>Synthetic Metals</i> , 2021 , 280, 116864.6	4.6	3
211	A review about the fluorination and oxyfluorination of carbon fibres. <i>Journal of Fluorine Chemistry</i> , 2021 , 251, 109887	2.1	6
210	Tuning C-F Bonding of Graphite Fluoride by Applying High Pressure: Experimental and Theoretical Study. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 24747-24755	3.8	3
209	Constructive Near-Field Interference Effect in a Birdcage MRI Coil with an Artificial Magnetic Shield. <i>Physical Review Applied</i> , 2020 , 13,	4.3	1
208	Surface atomic layer fluorination of Li ₄ Ti ₅ O ₁₂ : Investigation of the surface electrode reactivity and the outgassing behavior in LiBs. <i>Applied Surface Science</i> , 2020 , 527, 146834	6.7	4
207	A Multitechnique Study of Fluorinated Nanodiamonds for Low-Energy Neutron Physics Applications. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 14229-14236	3.8	4
206	Strategies for Engineering High-Performance PGM-Free Catalysts toward Oxygen Reduction and Evolution Reactions. <i>Small Methods</i> , 2020 , 4, 2000016	12.8	37
205	Radio Frequency Coil for Dual-Nuclei MR Muscle Energetics Investigation Based on Two Capacitively Coupled Periodic Wire Arrays. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2020 , 19, 721-725	3.8	1

204	Favorable Intercalation of Nitrate Ions with Fluorine-Substituted Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2020 , 59, 1602-1610	5.1	3
203	Surface modification of sized vegetal fibers through direct fluorination for eco-composites. <i>Journal of Fluorine Chemistry</i> , 2020 , 238, 109618	2.1	5
202	Fluorocarbon Gas Exposure Induces Disaggregation of Nanodiamond Clusters and Enhanced Adsorption, Enabling Medical Microbubble Formation. <i>ACS Applied Nano Materials</i> , 2020 , 3, 8897-8905	5.6	5
201	Advances in tailoring the water content in porous carbon aerogels using RT-pulsed fluorination. <i>Journal of Fluorine Chemistry</i> , 2020 , 238, 109633	2.1	2
200	Fluorination of carbon fibre sizing without mechanical or chemical loss of the fibre. <i>Applied Surface Science</i> , 2020 , 534, 147647	6.7	3
199	Imaging of two samples with a single transmit/receive channel using coupled ceramic resonators for MR microscopy at 17.2 T. <i>NMR in Biomedicine</i> , 2020 , 33, e4397	4.4	6
198	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6317-6329	4.9	7
197	Enhancing surface coil sensitive volume with hybridized electric dipoles at 17.2 T. <i>Journal of Magnetic Resonance</i> , 2019 , 307, 106567	3	2
196	A universal fluororous technology toward superhydrophobic coatings. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 778-787	9.3	8
195	Surface Layer Fluorination of TiO ₂ Electrodes for Electrode Protection LIBs: Fading the Reactivity of the Negative Electrode/Electrolyte Interface. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A1905-A1914	3.9	5
194	Fluorination/Torrefaction Combination to Further Improve the Hydrophobicity of Wood. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900041	2.6	6
193	Exfoliated fluorinated carbons with a low and stable friction coefficient.. <i>RSC Advances</i> , 2019 , 9, 13615-13622	3.7	5
192	Systematic Analysis of the Improvements in Magnetic Resonance Microscopy with Ferroelectric Composite Ceramics. <i>Advanced Materials</i> , 2019 , 31, e1900912	24	13
191	Acoustic flat lensing using an indefinite medium. <i>Physical Review B</i> , 2019 , 99,	3.3	6
190	Direct Imaging of the Energy-Transfer Enhancement between Two Dipoles in a Photonic Cavity. <i>Physical Review X</i> , 2019 , 9,	9.1	12
189	Wireless coils based on resonant and nonresonant coupled-wire structure for small animal multinuclear imaging. <i>NMR in Biomedicine</i> , 2019 , 32, e4079	4.4	8
188	Fluorination renders the wood surface hydrophobic without any loss of physical and mechanical properties. <i>Industrial Crops and Products</i> , 2019 , 133, 133-141	5.9	13
187	Fluorinated nanodiamonds as unique neutron reflector. <i>Journal of Neutron Research</i> , 2019 , 20, 81-82	0.5	4

186	Chlorinated holey double-walled carbon nanotubes for relative humidity sensors. <i>Carbon</i> , 2019 , 148, 413-420	10.4	22
185	Structural and electronic changes in graphite fluorides as a function of fluorination rate: An XRS, PDF and DFT study. <i>Carbon</i> , 2019 , 147, 1-8	10.4	9
184	Atomic Layer Fluorination of the Li ₄ Ti ₅ O ₁₂ Surface: A Multiprobing Survey. <i>ACS Applied Energy Materials</i> , 2019 , 2, 6681-6692	6.1	8
183	Non-PGM electrocatalysts for PEM fuel cells: effect of fluorination on the activity and stability of a highly active NC_Ar + NH ₃ catalyst. <i>Energy and Environmental Science</i> , 2019 , 12, 3015-3037	35.4	42
182	High energy primary lithium battery using oxidized sub-fluorinated graphite fluorides. <i>Journal of Fluorine Chemistry</i> , 2019 , 227, 109369	2.1	8
181	Tuning fluorine and oxygen distribution in graphite oxifluorides for enhanced performances in primary lithium battery. <i>Carbon</i> , 2019 , 141, 6-15	10.4	11
180	Effect of nanodiamond fluorination on the efficiency of quasispecular reflection of cold neutrons. <i>Physical Review A</i> , 2018 , 97,	2.6	15
179	Large-scale synthesis of fluorinated graphene by rapid thermal exfoliation of highly fluorinated graphite. <i>Dalton Transactions</i> , 2018 , 47, 4596-4606	4.3	18
178	Fluorinated nanodiamonds as unique neutron reflector. <i>Carbon</i> , 2018 , 130, 799-805	10.4	22
177	From hydrophilic to hydrophobic wood using direct fluorination: A localized treatment. <i>Comptes Rendus Chimie</i> , 2018 , 21, 800-807	2.7	14
176	Effect of fluorination on the stability of carbon nanofibres in organic solvents. <i>Comptes Rendus Chimie</i> , 2018 , 21, 791-799	2.7	2
175	Activity and Durability of Platinum-Based Electrocatalysts Supported on Bare or Fluorinated Nanostructured Carbon Substrates. <i>Journal of the Electrochemical Society</i> , 2018 , 165, F3346-F3358	3.9	18
174	Fluorine-graphite intercalation compound (C ₄ F) _n at high pressure: Experimental and theoretical study. <i>Carbon</i> , 2018 , 127, 384-391	10.4	11
173	Effect of Hydrogen Fluoride Addition and Synthesis Temperature on the Structure of Double-Walled Carbon Nanotubes Fluorinated by Molecular Fluorine. <i>Physica Status Solidi (B): Basic Research</i> , 2018 , 255, 1700261	1.3	2
172	Kerker Effect in Ultrahigh-Field Magnetic Resonance Imaging. <i>Physical Review X</i> , 2018 , 8,	9.1	12
171	Surface reactivity of uranium hexafluoride (UF ₆). <i>Comptes Rendus Chimie</i> , 2018 , 21, 782-790	2.7	0
170	The effect of lignin on the reactivity of natural fibres towards molecular fluorine. <i>Materials and Design</i> , 2017 , 120, 66-74	8.1	9
169	A thin and conformal metasurface for illusion acoustics of rapidly changing profiles. <i>Applied Physics Letters</i> , 2017 , 110, 151902	3.4	49

168	Emergence of an enslaved phononic bandgap in a non-equilibrium pseudo-crystal. <i>Nature Materials</i> , 2017 , 16, 808-813	27	21
167	Advanced Carbon Fluorides For Primary Lithium Batteries. <i>E3S Web of Conferences</i> , 2017 , 16, 17002	0.5	
166	Observation of acoustic Dirac-like cone and double zero refractive index. <i>Nature Communications</i> , 2017 , 8, 14871	17.4	92
165	Fluorinated exfoliated graphite as cathode materials for enhanced performances in primary lithium battery. <i>Electrochimica Acta</i> , 2017 , 227, 18-23	6.7	13
164	Experimental and DFT high pressure study of fluorinated graphite (C ₂ F) _n . <i>Carbon</i> , 2017 , 114, 690-699	10.4	16
163	Corrosion of iron in liquid uranium hexafluoride. <i>Corrosion Engineering Science and Technology</i> , 2017 , 52, 611-617	1.7	0
162	High energy density of primary lithium batteries working with sub-fluorinated few walled carbon nanotubes cathode. <i>Journal of Alloys and Compounds</i> , 2017 , 726, 852-859	5.7	20
161	Fluorinated Nanocarbons for Lubrication 2017 , 325-360		3
160	High-speed acoustic communication by multiplexing orbital angular momentum. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 7250-7253	11.5	139
159	Superhydrophobicity of polymer films via fluorine atoms covalent attachment and surface nano-texturing. <i>Journal of Fluorine Chemistry</i> , 2017 , 200, 123-132	2.1	12
158	Quantum revival for elastic waves in thin plate. <i>European Physical Journal: Special Topics</i> , 2017 , 226, 1593-1601	3.3	1
157	Nature of CB Bonds in Fluorinated Carbons 2017 , 215-243		4
156	Plasma and fluorination combination for stable multifunctionality of LDPE packaging films. <i>Plasma Processes and Polymers</i> , 2017 , 14, 1600066	3.4	3
155	Role of defect states in functionalized graphene photodetectors 2017 ,		1
154	Insight into the Uranyl Oxyfluoride Topologies through the Synthesis, Crystal Structure, and Evidence of a New Oxyfluoride Layer in [(UO)F][Sr(HO)](NO)HO. <i>Inorganic Chemistry</i> , 2016 , 55, 12185-12192	5.1	4
153	Fluorinated 0D, 1D, and 2D Nanocarbons 2016 , 237-266		
152	Accessing the exceptional points of parity-time symmetric acoustics. <i>Nature Communications</i> , 2016 , 7, 11110	17.4	152
151	Fluorination as an Effective Way to Reduce Natural Fibers Hydrophilicity. <i>RILEM Bookseries</i> , 2016 , 211-229	5	2

150	Electrochemical oxidation of graphite in aqueous hydrofluoric acid solution at high current densities. <i>Journal of Fluorine Chemistry</i> , 2016 , 185, 36-41	2.1	9
149	Directional excitation without breaking reciprocity. <i>New Journal of Physics</i> , 2016 , 18, 095001	2.9	9
148	Surface modification of low-density polyethylene packaging film via direct fluorination. <i>Surface and Coatings Technology</i> , 2016 , 292, 144-154	4.4	19
147	Superhydrophobicity via gas-phase monomers grafting onto carbon nanotubes. <i>Progress in Surface Science</i> , 2016 , 91, 57-71	6.6	12
146	One Single Static Measurement Predicts Wave Localization in Complex Structures. <i>Physical Review Letters</i> , 2016 , 117, 074301	7.4	11
145	Experiments on Maxwell's fish-eye dynamics in elastic plates. <i>Applied Physics Letters</i> , 2015 , 106, 024101	3.4	19
144	Improvement of wood polymer composite mechanical properties by direct fluorination. <i>Materials & Design</i> , 2015 , 74, 61-66		26
143	How to decrease the hydrophilicity of wood flour to process efficient composite materials. <i>Applied Surface Science</i> , 2015 , 353, 1234-1241	6.7	15
142	Enhanced anti-graffiti or adhesion properties of polymers using versatile combination of fluorination and polymer grafting. <i>Progress in Organic Coatings</i> , 2015 , 88, 127-136	4.8	20
141	Tunable hydrophilicity/hydrophobicity of fluorinated carbon nanotubes via graft polymerization of gaseous monomers. <i>Journal of Fluorine Chemistry</i> , 2015 , 178, 279-285	2.1	7
140	New Nano-CF Compounds for Nonrechargeable Lithium Batteries 2015 , 261-287		1
139	Insights on the reactivity of ordered porous carbons exposed to different fluorinating agents and conditions. <i>Carbon</i> , 2015 , 84, 567-583	10.4	18
138	Pushing the theoretical limit of LiCFx batteries using fluorinated nanostructured carbon nanodiscs. <i>Carbon</i> , 2015 , 94, 1061-1070	10.4	37
137	Dual C F bonding in fluorinated exfoliated graphite. <i>Journal of Fluorine Chemistry</i> , 2015 , 174, 36-41	2.1	7
136	Time-driven superoscillations with negative refraction. <i>Physical Review Letters</i> , 2015 , 114, 013902	7.4	31
135	Comparative NEXAFS, NMR, and FTIR Study of Various-Sized Nanodiamonds: As-Prepared and Fluorinated. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 835-844	3.8	11
134	In situ oligomerization of 2-(thiophen-3-yl)acetate intercalated into Zn ₂ Al layered double hydroxide. <i>Journal of Solid State Chemistry</i> , 2015 , 221, 391-397	3.3	1
133	Enhancement of surface properties on Low Density Polyethylene packaging films using various fluorination routes. <i>European Polymer Journal</i> , 2015 , 66, 18-32	5.2	14

132	Structure control at the nanoscale in fluorinated graphitized carbon blacks through the fluorination route. <i>Journal of Fluorine Chemistry</i> , 2014 , 168, 163-172	2.1	11
131	Efficient fluorinating agent through topochemical fluorination of Co-Fe layered double hydroxides. <i>Inorganic Chemistry</i> , 2014 , 53, 852-60	5.1	6
130	Enhancement of surface properties on commercial polymer packaging films using various surface treatment processes (fluorination and plasma). <i>Applied Surface Science</i> , 2014 , 315, 426-431	6.7	24
129	Thermal exfoliation of fluorinated graphite. <i>Carbon</i> , 2014 , 77, 688-704	10.4	38
128	Improved selectivity towards NO ₂ of phthalocyanine-based chemosensors by means of original indigo/nanocarbons hybrid material. <i>Talanta</i> , 2014 , 127, 100-7	6.2	6
127	Comparison of the surface modifications of polymers induced by direct fluorination and rf-plasma using fluorinated gases. <i>Journal of Fluorine Chemistry</i> , 2014 , 165, 49-60	2.1	27
126	FIB, TEM and AFM Quantitative Investigation of Nanostructure and Nanoscale Friction Properties of Single Partially Fluorinated Carbon Nanofibres. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1784-1785	0.5	
125	Friction Properties of Fluorinated Graphitized Carbon Blacks. <i>Tribology Letters</i> , 2014 , 56, 259-271	2.8	6
124	Analytical Transmission Electron Microscopy Investigation of the Fluorination Process of Carbon Nanoparticles.. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1794-1795	0.5	
123	Functionalized Carbon Nanotubes-Based Gas Sensors for Pollutants Detection: Investigation on the Use of a Double Transduction Mode. <i>Key Engineering Materials</i> , 2014 , 605, 75-78	0.4	1
122	New Indigo/Nanocarbons Hybrid Material as Chemical Filter for the Enhancement of Gas Sensor Selectivity towards Nitrogen Dioxide. <i>Key Engineering Materials</i> , 2014 , 605, 135-138	0.4	
121	On the evolution of the viscoelastic properties and its microstructural/chemical origin in filled NBR subjected to coupled thermal and mechanical loads. <i>Polymer Degradation and Stability</i> , 2013 , 98, 2102-2110	4.7	2
120	Noncovalent Functionalization of Single-Wall Carbon Nanotubes for the Elaboration of Gas Sensor Dedicated to BTX Type Gases: The Case of Toluene. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 20217-20228	3.8	32
119	Direct fluorination applied to wood flour used as a reinforcement for polymers. <i>Carbohydrate Polymers</i> , 2013 , 94, 642-6	10.3	28
118	Synthesis of carbon-silica core-shell nanofibers from a dispersion of fluorinated carbon nanofibers in solvated polysiloxane. <i>Carbon</i> , 2013 , 55, 23-33	10.4	4
117	Flat lens for pulse focusing of elastic waves in thin plates. <i>Applied Physics Letters</i> , 2013 , 103, 071915	3.4	70
116	Enhanced performances in primary lithium batteries of fluorinated carbon nanofibers through static fluorination. <i>Electrochimica Acta</i> , 2013 , 114, 142-151	6.7	30
115	A carbonaceous chemical filter for the selective detection of NO ₂ in the environment. <i>Carbon</i> , 2013 , 52, 17-29	10.4	7

114	Indigo molecules adsorbed on carbonaceous nanomaterials as chemical filter for the selective detection of NO ₂ in the environment. <i>Journal of Colloid and Interface Science</i> , 2013 , 407, 39-46	9.3	8
113	Graphene nanochains and nanoislands in the layers of room-temperature fluorinated graphite. <i>Carbon</i> , 2013 , 59, 518-529	10.4	46
112	Enhanced concentration of dispersed carbon nanofibres in organic solvents through their functionalization by fluorination. <i>Journal of Colloid and Interface Science</i> , 2013 , 400, 11-7	9.3	3
111	NMR and NEXAFS Study of Various Graphite Fluorides. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 13564-13572	9.3	33
110	Tuning the transport gap of functionalized graphene via electron beam irradiation. <i>New Journal of Physics</i> , 2013 , 15, 033024	2.9	23
109	Solid Carbon Produced in an Inductively Coupled Plasma Torch with a Titan Like Atmosphere. <i>International Journal of Aerospace Engineering</i> , 2013 , 2013, 1-8	0.9	4
108	Tuning the discharge potential of fluorinated carbon used as electrode in primary lithium battery. <i>Electrochimica Acta</i> , 2012 , 59, 485-491	6.7	31
107	Investigation of the purity of antimony pentafluoride using ¹⁹ F NMR. <i>Journal of Fluorine Chemistry</i> , 2012 , 134, 24-28	2.1	4
106	Applicative performances of fluorinated carbons through fluorination routes: A review. <i>Journal of Fluorine Chemistry</i> , 2012 , 134, 11-17	2.1	50
105	An innovative gas sensor system designed from a sensitive organic semiconductor downstream a nanocarbonaceous chemical filter for the selective detection of NO ₂ in an environmental context. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 659-667	8.5	13
104	Comparative Study of SWCNT Fluorination by Atomic and Molecular Fluorine. <i>Chemistry of Materials</i> , 2012 , 24, 1744-1751	9.6	46
103	Tribological properties of fluorinated nanocarbons with different shape factors. <i>Journal of Fluorine Chemistry</i> , 2012 , 144, 10-16	2.1	14
102	An innovative gas sensor system designed from a sensitive organic semiconductor downstream a nanocarbonaceous chemical filter for selective detection of NO ₂ in an environmental context. Part II: Interpretations of O ₃ /nanocarbons and NO ₂ /nanocarbons interactions. <i>Sensors and Actuators B: Chemical</i> , 2012 , 173, 652-658	8.5	9
101	Structural/textural properties and water reactivity of fluorinated activated carbons. <i>Carbon</i> , 2012 , 50, 5135-5147	10.4	25
100	Nanocarbonaceous Filters for the Achievement of Highly Sensitive and Selective NO ₂ Monitoring by Means of Phthalocyanine-Based Resistive Sensors. <i>Procedia Engineering</i> , 2012 , 47, 29-32		1
99	The synthesis of multilayer graphene materials by the fluorination of carbon nanodiscs/nanocones. <i>Carbon</i> , 2012 , 50, 3897-3908	10.4	21
98	Solid state NMR study of nanodiamond surface chemistry. <i>Solid State Nuclear Magnetic Resonance</i> , 2011 , 40, 144-54	3.1	26
97	Physical and chemical characterizations of nanometric indigo layers as efficient ozone filter for gas sensor devices. <i>Thin Solid Films</i> , 2011 , 520, 971-977	2.2	12

96	Fluorination of single walled carbon nanotubes at low temperature: Towards the reversible fluorine storage into carbon nanotubes. <i>Journal of Fluorine Chemistry</i> , 2011 , 132, 1072-1078	2.1	23
95	Tuning the electronic transport properties of grapheme through functionalisation with fluorine. <i>Nanoscale Research Letters</i> , 2011 , 6, 526	5	90
94	Nanopatterning of fluorinated graphene by electron beam irradiation. <i>Nano Letters</i> , 2011 , 11, 3912-6	11.5	159
93	Friction Properties of Fluorinated Carbon Nanodiscs and Nanocones. <i>Tribology Letters</i> , 2011 , 41, 353-362.8		15
92	Stabilization of Th ³⁺ ions into mixed-valence thorium fluoride. <i>Journal of Solid State Chemistry</i> , 2011 , 184, 220-226	3.3	2
91	Modification of ultra-high-molecular weight polyethylene by various fluorinating routes. <i>Journal of Polymer Science Part A</i> , 2011 , 49, 3559-3573	2.5	44
90	The synthesis of microporous carbon by the fluorination of titanium carbide. <i>Carbon</i> , 2011 , 49, 2998-3009	10.4	18
89	The effect of nanostructure on the thermal properties of fluorinated carbon nanofibres. <i>Carbon</i> , 2011 , 49, 4801-4811	10.4	10
88	Electron properties of fluorinated single-layer graphene transistors. <i>Physical Review B</i> , 2010 , 82,	3.3	284
87	Pseudotetragonal structure of Li _(2+x) Ce _(x) (3+)Ce _(12-x) (4+)F ₍₅₀₎ : the first mixed valence cerium fluoride. <i>Inorganic Chemistry</i> , 2010 , 49, 686-94	5.1	9
86	Effect of curvature on C-F bonding in fluorinated carbons: from fullerene and derivatives to graphite. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 1388-98	3.6	85
85	Modifications induced by acetylacetone in properties of sol-gel derived Y ₍₃₎ Al ₍₅₎ O ₍₁₂₎ : Tb ₍₃₊₎ - I: structural and morphological organizations. <i>Dalton Transactions</i> , 2010 , 39, 8706-17	4.3	18
84	The use of nanocarbons as chemical filters for the selective detection of nitrogen dioxide and ozone. <i>Journal of Nanoscience and Nanotechnology</i> , 2010 , 10, 5653-61	1.3	6
83	Fluorinated nanocarbons using fluorinating agent: Strategies of fluorination and applications. <i>European Physical Journal B</i> , 2010 , 75, 133-139	1.2	10
82	Carbons prepared from coffee grounds by H ₃ PO ₄ activation: characterization and adsorption of methylene blue and Nylosan Red N-2RBL. <i>Journal of Hazardous Materials</i> , 2010 , 175, 779-88	12.8	192
81	Comparison of yttrium polyphosphate Y(PO ₃) ₃ prepared by sol-gel process and solid state synthesis. <i>Journal of Sol-Gel Science and Technology</i> , 2010 , 55, 41-51	2.3	17
80	Tribological Properties of Room Temperature Fluorinated Graphite Heat-Treated Under Fluorine Atmosphere. <i>Tribology Letters</i> , 2010 , 37, 31-41	2.8	11
79	New synthesis methods for fluorinated carbon nanofibres and applications. <i>Journal of Fluorine Chemistry</i> , 2010 , 131, 676-683	2.1	31

78	All-organic device with integrated chemical filter dedicated to the selective measurement of NO ₂ in air. <i>Organic Electronics</i> , 2010 , 11, 1223-1229	3.5	27
77	Fluorination of silicon carbide thin films using pure F ₂ gas or XeF ₂ . <i>Thin Solid Films</i> , 2010 , 518, 6746-6751	1.2	23
76	Direct fluorination of carbon nanocones and nanodiscs. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4496-501	1.3	11
75	Tribological Properties of Fluorinated Carbon Nanofibres. <i>Tribology Letters</i> , 2009 , 34, 49-59	2.8	22
74	Structural and Optical Investigations of Silicon Carbon Nitride Thin Films Deposited by Magnetron Sputtering. <i>Plasma Processes and Polymers</i> , 2009 , 6, S11-S16	3.4	18
73	Electrochemical formation of carbon nano-powders with various porosities in molten alkali carbonates. <i>Electrochimica Acta</i> , 2009 , 54, 4566-4573	6.7	95
72	Study of the fluorination of carbon anode in molten KF-2HF by XPS and NMR investigations. <i>Journal of Fluorine Chemistry</i> , 2009 , 130, 1080-1085	2.1	29
71	Protection of nuclear graphite toward fluoride molten salt by glassy carbon deposit. <i>Journal of Nuclear Materials</i> , 2009 , 384, 292-302	3.3	41
70	An unusual weak bonding mode of fluorine to single-walled carbon nanotubes. <i>Carbon</i> , 2009 , 47, 2557-2562	10.4	17
69	Effect of graphitization on fluorination of carbon nanocones and nanodiscs. <i>Carbon</i> , 2009 , 47, 2763-2775	10.4	31
68	Fabrication and characterization of fluorinated single-walled carbon nanotubes. <i>Nanotechnologies in Russia</i> , 2009 , 4, 60-78	0.6	21
67	Solid-State NMR Study of Nanodiamonds Produced by the Detonation Technique. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 10371-10378	3.8	61
66	A study of water releases in ground (GCC) and precipitated (PCC) calcium carbonates. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1603-1614	3.9	6
65	Solid-state NMR and EPR study of fluorinated carbon nanofibers. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1915-1924	3.3	15
64	Hyperfine interaction in ZnAl layered double hydroxides intercalated with conducting polymers. <i>Journal of Physics and Chemistry of Solids</i> , 2008 , 69, 1079-1083	3.9	6
63	Carbon nanofibres fluorinated using TbF ₄ as fluorinating agent. Part II: Adsorption and electrochemical properties. <i>Carbon</i> , 2008 , 46, 1017-1024	10.4	21
62	Carbon nanofibres fluorinated using TbF ₄ as fluorinating agent. Part I: Structural properties. <i>Carbon</i> , 2008 , 46, 1010-1016	10.4	36
61	Solid-state NMR study of the post-fluorination of (C ₂ .5F) _n fluorine-GIC. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 14143-51	3.4	81

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