

Marc Dubois

List of Publications by Citations

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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	Electron properties of fluorinated single-layer graphene transistors. <i>Physical Review B</i> , 2010 , 82,	3.3	284
220	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
219	Nanopatterning of fluorinated graphene by electron beam irradiation. <i>Nano Letters</i> , 2011 , 11, 3912-6	11.5	159
218	UV-to-red relaxation pathways in CaTiO ₃ :Pr ³⁺ . <i>Journal of Luminescence</i> , 2005 , 111, 69-80	3.8	159
217	Accessing the exceptional points of parity-time symmetric acoustics. <i>Nature Communications</i> , 2016 , 7, 11110	17.4	152
216	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
215	Synthesis and Characterization of Highly Fluorinated Graphite Containing sp ² and sp ³ Carbon. <i>Chemistry of Materials</i> , 2004 , 16, 1786-1792	9.6	127
214	Fluorinated carbon nanofibres for high energy and high power densities primary lithium batteries. <i>Electrochemistry Communications</i> , 2007 , 9, 1850-1855	5.1	102
213	Electrochemical formation of carbon nano-powders with various porosities in molten alkali carbonates. <i>Electrochimica Acta</i> , 2009 , 54, 4566-4573	6.7	95
212	Observation of acoustic Dirac-like cone and double zero refractive index. <i>Nature Communications</i> , 2017 , 8, 14871	17.4	92
211	Tuning the electronic transport properties of grapheme through functionalisation with fluorine. <i>Nanoscale Research Letters</i> , 2011 , 6, 526	5	90
210	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
209	Solid-state NMR study of the post-fluorination of (C _{2.5} F) _n fluorine-GIC. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 14143-51	3.4	81
208	EPR and solid-state NMR studies of poly(dicarbon monofluoride) (C ₂ F) _n . <i>Journal of Physical Chemistry B</i> , 2006 , 110, 11800-8	3.4	80
207	NMR and EPR studies of room temperature highly fluorinated graphite heat-treated under fluorine atmosphere. <i>Carbon</i> , 2004 , 42, 1931-1940	10.4	77
206	Flat lens for pulse focusing of elastic waves in thin plates. <i>Applied Physics Letters</i> , 2013 , 103, 071915	3.4	70
205	Reactivity of Carbon Nanofibers with Fluorine Gas. <i>Chemistry of Materials</i> , 2007 , 19, 161-172	9.6	62

204	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
203	Solid-state NMR (¹⁹ F and ¹³ C) study of graphite monofluoride (CF) _n : ¹⁹ F spin-lattice magnetic relaxation and ¹⁹ F/ ¹³ C distance determination by Hartmann-Hahn cross polarization. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 175-81	3.4	61
202	Role of Atmospheric Oxygen for the Polymerization of Interleaved Aniline Sulfonic Acid in LDH. <i>Chemistry of Materials</i> , 2002 , 14, 3799-3807	9.6	53
201	Applicative performances of fluorinated carbons through fluorination routes: A review. <i>Journal of Fluorine Chemistry</i> , 2012 , 134, 11-17	2.1	50
200	A thin and conformal metasurface for illusion acoustics of rapidly changing profiles. <i>Applied Physics Letters</i> , 2017 , 110, 151902	3.4	49
199	Magnesium batteries: Towards a first use of graphite fluorides. <i>Journal of Power Sources</i> , 2007 , 173, 5928-5938	5.9	48
198	Comparative performances for primary lithium batteries of some covalent and semi-covalent graphite fluorides. <i>Journal of Power Sources</i> , 2006 , 158, 1365-1372	8.9	48
197	Comparative Study of SWCNT Fluorination by Atomic and Molecular Fluorine. <i>Chemistry of Materials</i> , 2012 , 24, 1744-1751	9.6	46
196	Graphene nanochains and nanoislands in the layers of room-temperature fluorinated graphite. <i>Carbon</i> , 2013 , 59, 518-529	10.4	46
195	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
194	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
193	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
192	Electrochemical performance of low temperature fluorinated graphites used as cathode in primary lithium batteries. <i>Carbon</i> , 2006 , 44, 2543-2548	10.4	40
191	Solid-state ¹⁹ F and ¹³ C NMR of room temperature fluorinated graphite and samples thermally treated under fluorine: Low-field and high-resolution studies. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1262-1268	3.3	39
190	Thermal exfoliation of fluorinated graphite. <i>Carbon</i> , 2014 , 77, 688-704	10.4	38
189	Pushing the theoretical limit of LiCF _x batteries using fluorinated nanostructured carbon nanodiscs. <i>Carbon</i> , 2015 , 94, 1061-1070	10.4	37
188	Strategies for Engineering High-Performance PGM-Free Catalysts toward Oxygen Reduction and Evolution Reactions. <i>Small Methods</i> , 2020 , 4, 2000016	12.8	37
187	Electrochemical insertion of lithium ions into disordered carbons derived from reduced graphite fluoride. <i>Carbon</i> , 2003 , 41, 453-463	10.4	37

- 186 Carbon nanofibres fluorinated using TbF₄ as fluorinating agent. Part I: Structural properties. *Carbon*, **2008**, 46, 1010-1016 10.4 36
- 185 Structural and mechanical properties of a-C:H thin films grown by RF-PECVD. *Diamond and Related Materials*, **2004**, 13, 1618-1624 3.5 34
- 184 NMR and NEXAFS Study of Various Graphite Fluorides. *Journal of Physical Chemistry C*, **2013**, 117, 13564-13572 3.3 33
- 183 Highly fluorinated graphite prepared from graphite fluoride formed using BF₃ catalyst. *Journal of Fluorine Chemistry*, **2005**, 126, 1078-1087 2.1 33
- 182 Noncovalent Functionalization of Single-Wall Carbon Nanotubes for the Elaboration of Gas Sensor Dedicated to BTX Type Gases: The Case of Toluene. *Journal of Physical Chemistry C*, **2013**, 117, 20217-20228 3.8 32
- 181 Tribological properties of low-temperature graphite fluorides. Influence of the structure on the lubricating performances. *Journal of Physics and Chemistry of Solids*, **2006**, 67, 1095-1099 3.9 32
- 180 In Situ Polymerization of Aniline Sulfonic Acid Derivatives into LDH Interlamellar Space Probed by ESR and Electrochemical Studies. *Chemistry of Materials*, **2005**, 17, 373-382 9.6 32
- 179 Tuning the discharge potential of fluorinated carbon used as electrode in primary lithium battery. *Electrochimica Acta*, **2012**, 59, 485-491 6.7 31
- 178 Time-driven superoscillations with negative refraction. *Physical Review Letters*, **2015**, 114, 013902 7.4 31
- 177 Effect of graphitization on fluorination of carbon nanocones and nanodiscs. *Carbon*, **2009**, 47, 2763-2775 10.4 31
- 176 New synthesis methods for fluorinated carbon nanofibres and applications. *Journal of Fluorine Chemistry*, **2010**, 131, 676-683 2.1 31
- 175 SiO_xN_y thin films deposited by reactive sputtering: Process study and structural characterisation. *Thin Solid Films*, **2007**, 515, 3480-3487 2.2 31
- 174 Enhanced performances in primary lithium batteries of fluorinated carbon nanofibers through static fluorination. *Electrochimica Acta*, **2013**, 114, 142-151 6.7 30
- 173 Study of the fluorination of carbon anode in molten KF-2HF by XPS and NMR investigations. *Journal of Fluorine Chemistry*, **2009**, 130, 1080-1085 2.1 29
- 172 Direct fluorination applied to wood flour used as a reinforcement for polymers. *Carbohydrate Polymers*, **2013**, 94, 642-6 10.3 28
- 171 Origin of the highly enhanced porosity of styryl LDH hybrid-type carbon replicas and study of a subsequent fluorination at low-temperature. *Journal of Materials Chemistry*, **2006**, 16, 4510 28
- 170 Direct fluorination of poly(p-phenylene). *Polymer*, **2005**, 46, 6736-6745 3.9 28
- 169 Comparison of the surface modifications of polymers induced by direct fluorination and rf-plasma using fluorinated gases. *Journal of Fluorine Chemistry*, **2014**, 165, 49-60 2.1 27

168	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
167	Improvement of wood polymer composite mechanical properties by direct fluorination. <i>Materials & Design</i> , 2015 , 74, 61-66		26
166	Solid state NMR study of nanodiamond surface chemistry. <i>Solid State Nuclear Magnetic Resonance</i> , 2011 , 40, 144-54	3.1	26
165	Structural/textural properties and water reactivity of fluorinated activated carbons. <i>Carbon</i> , 2012 , 50, 5135-5147	10.4	25
164	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
163	Tuning the transport gap of functionalized graphene via electron beam irradiation. <i>New Journal of Physics</i> , 2013 , 15, 033024	2.9	23
162	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
161	Fluorination of silicon carbide thin films using pure F ₂ gas or XeF ₂ . <i>Thin Solid Films</i> , 2010 , 518, 6746-6751	2.2	23
160	Chlorinated holey double-walled carbon nanotubes for relative humidity sensors. <i>Carbon</i> , 2019 , 148, 413-420	10.4	22
159	Fluorinated nanodiamonds as unique neutron reflector. <i>Carbon</i> , 2018 , 130, 799-805	10.4	22
158	Tribological Properties of Fluorinated Carbon Nanofibres. <i>Tribology Letters</i> , 2009 , 34, 49-59	2.8	22
157	Electrochemical discharge mechanism of fluorinated graphite used as electrode in primary lithium batteries. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1173-1177	3.9	22
156	Emergence of an enslaved phononic bandgap in a non-equilibrium pseudo-crystal. <i>Nature Materials</i> , 2017 , 16, 808-813	27	21
155	The synthesis of multilayer graphene materials by the fluorination of carbon nanodiscs/nanocones. <i>Carbon</i> , 2012 , 50, 3897-3908	10.4	21
154	Fabrication and characterization of fluorinated single-walled carbon nanotubes. <i>Nanotechnologies in Russia</i> , 2009 , 4, 60-78	0.6	21
153	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
152	Structural characterisation of a sol-gel copolymer synthesised from aliphatic and aromatic alkoxysilanes using ²⁹ Si-NMR spectroscopy. <i>Journal of Sol-Gel Science and Technology</i> , 2006 , 38, 111-119	2.3	21
151	Characterisation of carbonaceous materials derived from polyparaphenylene pyrolyzed at low temperature. <i>Carbon</i> , 2000 , 38, 1411-1417	10.4	21

150	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
149	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
148	Solid state NMR studies of covalent graphite fluorides (CF) _n and (C ₂ F) _n . <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1100-1105	3.9	20
147	Experiments on Maxwell's fish-eye dynamics in elastic plates. <i>Applied Physics Letters</i> , 2015 , 106, 024101	3.4	19
146	Surface modification of low-density polyethylene packaging film via direct fluorination. <i>Surface and Coatings Technology</i> , 2016 , 292, 144-154	4.4	19
145	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
144	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
143	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
142	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
141	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
140	The synthesis of microporous carbon by the fluorination of titanium carbide. <i>Carbon</i> , 2011 , 49, 2998-3009	10.4	18
139	Structural investigations of sol-gel-derived LiYF ₄ and LiGdF ₄ powders. <i>Journal of Solid State Chemistry</i> , 2007 , 180, 3049-3057	3.3	18
138	Structural and optical investigations of SiO _x N _y thin films deposited by R.F. sputtering. <i>Surface and Coatings Technology</i> , 2005 , 200, 330-333	4.4	18
137	An unusual weak bonding mode of fluorine to single-walled carbon nanotubes. <i>Carbon</i> , 2009 , 47, 2557-2562	5.6	17
136	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
135	Electrochemical insertion of alkaline ions into polyparaphenylene: effect of the crystalline structure of the host material. <i>Electrochimica Acta</i> , 2001 , 46, 4301-4307	6.7	17
134	Experimental and DFT high pressure study of fluorinated graphite (C ₂ F) _n . <i>Carbon</i> , 2017 , 114, 690-699	10.4	16
133	Electrochemical intercalation of sodium ions into poly(para-phenylene) in carbonate-based electrolytes. <i>Synthetic Metals</i> , 1997 , 90, 127-134	3.6	16

132	Room temperature graphite fluorination process using chlorine as catalyst. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 1157-1161	3.9	16
131	Electrochemical impedance spectroscopic study of the intercalation of lithium and sodium ions into polyparaphenylene in carbonate-based electrolytes. <i>Electrochimica Acta</i> , 2002 , 47, 4459-4466	6.7	16
130	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
129	Effect of nanodiamond fluorination on the efficiency of quasispecular reflection of cold neutrons. <i>Physical Review A</i> , 2018 , 97,	2.6	15
128	Friction Properties of Fluorinated Carbon Nanodiscs and Nanocones. <i>Tribology Letters</i> , 2011 , 41, 353-362.8		15
127	Solid-state NMR and EPR study of fluorinated carbon nanofibers. <i>Journal of Solid State Chemistry</i> , 2008 , 181, 1915-1924	3.3	15
126	In situ polymerisation of monomers in layered double hydroxides. <i>Comptes Rendus Chimie</i> , 2003 , 6, 259-264		15
125	From hydrophilic to hydrophobic wood using direct fluorination: A localized treatment. <i>Comptes Rendus Chimie</i> , 2018 , 21, 800-807	2.7	14
124	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
123	Tribological properties of fluorinated nanocarbons with different shape factors. <i>Journal of Fluorine Chemistry</i> , 2012 , 144, 10-16	2.1	14
122	Heteronuclear dipolar recoupling using Hartmann-Hahn cross polarization: a probe for ¹⁹ F- ¹³ C distance determination of fluorinated carbon materials. <i>Solid State Nuclear Magnetic Resonance</i> , 2007 , 31, 131-40	3.1	14
121	Hybrid organic/inorganic materials: Layered hydroxy double salts intercalated with substituted thiophene monomers. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 978-982	3.9	14
120	Liquid-phase exfoliation of F-diamane-like nanosheets. <i>Carbon</i> , 2021 , 175, 124-130	10.4	14
119	Fluorinated exfoliated graphite as cathode materials for enhanced performances in primary lithium battery. <i>Electrochimica Acta</i> , 2017 , 227, 18-23	6.7	13
118	Systematic Analysis of the Improvements in Magnetic Resonance Microscopy with Ferroelectric Composite Ceramics. <i>Advanced Materials</i> , 2019 , 31, e1900912	24	13
117	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
116	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
115	Direct Imaging of the Energy-Transfer Enhancement between Two Dipoles in a Photonic Cavity. <i>Physical Review X</i> , 2019 , 9,	9.1	12

114	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
113	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
112	Modifying the electronic properties of multi-wall carbon nanotubes via charge transfer, by chemical doping with some inorganic fluorides. <i>Chemical Physics Letters</i> , 2003 , 381, 306-314	2.5	12
111	Superhydrophobicity via gas-phase monomers grafting onto carbon nanotubes. <i>Progress in Surface Science</i> , 2016 , 91, 57-71	6.6	12
110	Kerker Effect in Ultrahigh-Field Magnetic Resonance Imaging. <i>Physical Review X</i> , 2018 , 8,	9.1	12
109	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
108	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
107	Direct fluorination of carbon nanocones and nanodiscs. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 4496-501	1.3	11
106	Tribological Properties of Room Temperature Fluorinated Graphite Heat-Treated Under Fluorine Atmosphere. <i>Tribology Letters</i> , 2010 , 37, 31-41	2.8	11
105	One Single Static Measurement Predicts Wave Localization in Complex Structures. <i>Physical Review Letters</i> , 2016 , 117, 074301	7.4	11
104	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
103	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
102	The effect of nanostructure on the thermal properties of fluorinated carbon nanofibres. <i>Carbon</i> , 2011 , 49, 4801-4811	10.4	10
101	Fluorinated nanocarbons using fluorinating agent: Strategies of fluorination and applications. <i>European Physical Journal B</i> , 2010 , 75, 133-139	1.2	10
100	Synthesis and crystal structure of Rb ₂ AlTb ₃ F ₁₆ : a new mixed-valence terbium fluoride. <i>Solid State Sciences</i> , 2003 , 5, 1141-1148	3.4	10
99	Synthesis and crystal structures of new mixed-valence terbium (III/IV) fluorides with a random distribution between Tb ³⁺ and Tb ⁴⁺ . <i>Journal of Alloys and Compounds</i> , 2004 , 374, 213-218	5.7	10
98	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
97	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

96	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
95	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
94	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
93	Direct fluorination of various poly(p-phenylene): Effects of the polymer synthesis and thermal post-treatment. <i>Polymer</i> , 2007 , 48, 3961-3973	3.9	9
92	Raman spectroelectrochemical study of sodium intercalation into poly(p-phenylene). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 1849-56	4.4	9
91	Directional excitation without breaking reciprocity. <i>New Journal of Physics</i> , 2016 , 18, 095001	2.9	9
90	Fluorinated (Nano)Carbons: CF _x Electrodes and CF _x -Based Batteries. <i>Energy Technology</i> , 2021 , 9, 2000605	6.5	9
89	A universal fluorous technology toward superhydrophobic coatings. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 778-787	9.3	8
88	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
87	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
86	High energy primary lithium battery using oxidized sub-fluorinated graphite fluorides. <i>Journal of Fluorine Chemistry</i> , 2019 , 227, 109369	2.1	8
85	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
84	Tunable hydrophylicity/hydrophobicity of fluorinated carbon nanotubes via graft polymerization of gaseous monomers. <i>Journal of Fluorine Chemistry</i> , 2015 , 178, 279-285	2.1	7
83	Dual C F bonding in fluorinated exfoliated graphite. <i>Journal of Fluorine Chemistry</i> , 2015 , 174, 36-41	2.1	7
82	A carbonaceous chemical filter for the selective detection of NO ₂ in the environment. <i>Carbon</i> , 2013 , 52, 17-29	10.4	7
81	Fluorine-intercalated graphite for lithium batteries 2005 , 369-395		7
80	New layered double hydroxides intercalated with substituted pyrroles. 2. 3-(Pyrrol-1-yl)-propanoate and 7-(pyrrol-1-yl)-heptanoate LDHs. <i>Journal of Physics and Chemistry of Solids</i> , 2006 , 67, 973-977	3.9	7
79	Anti-KSbF ₆ structure of CaTbF ₆ and CdTbF ₆ : a confirmation of the singular crystal chemistry of Tb ⁴⁺ in fluorides. <i>Acta Crystallographica Section B: Structural Science</i> , 2005 , 61, 1-10		7

78	. <i>IEEE Transactions on Antennas and Propagation</i> , 2020 , 68, 6317-6329	4.9	7
77	Fluorination/Torrefaction Combination to Further Improve the Hydrophobicity of Wood. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1900041	2.6	6
76	Acoustic flat lensing using an indefinite medium. <i>Physical Review B</i> , 2019 , 99,	3.3	6
75	Efficient fluorinating agent through topochemical fluorination of Co-Fe layered double hydroxides. <i>Inorganic Chemistry</i> , 2014 , 53, 852-60	5.1	6
74	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
73	Friction Properties of Fluorinated Graphitized Carbon Blacks. <i>Tribology Letters</i> , 2014 , 56, 259-271	2.8	6
72	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
71	para-Sexiphenylene as a model compound of poly(para-phenylene) during the electrochemical intercalation of lithium and sodium ions in ethylene carbonate-based electrolyte. <i>Synthetic Metals</i> , 1998 , 97, 217-222	3.6	6
70	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
69	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
68	Electrical behaviour of SiO _x N _y thin films and correlation with structural defects. <i>Applied Surface Science</i> , 2006 , 252, 5607-5610	6.7	6
67	Electron spin resonance in lithium and sodium electrochemically intercalated poly(paraphenylene). <i>Solid State Communications</i> , 1999 , 111, 571-576	1.6	6
66	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
65	A review about the fluorination and oxyfluorination of carbon fibres. <i>Journal of Fluorine Chemistry</i> , 2021 , 251, 109887	2.1	6
64	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
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