

Marc Dubois

List of Publications by Year in descending order

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226
papers

6,247
citations

81900

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98798

67
g-index

226
all docs

226
docs citations

226
times ranked

6215
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron properties of fluorinated single-layer graphene transistors. <i>Physical Review B</i> , 2010, 82, .	3.2	322
2	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, 779-788.	12.4	230
3	Accessing the exceptional points of parity-time symmetric acoustics. <i>Nature Communications</i> , 2016, 7, 11110.	12.8	229
4	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.	7.1	220
5	UV-to-red relaxation pathways in CaTiO ₃ :Pr ³⁺ . <i>Journal of Luminescence</i> , 2005, 111, 69-80.	3.1	176
6	Nanopatterning of Fluorinated Graphene by Electron Beam Irradiation. <i>Nano Letters</i> , 2011, 11, 3912-3916.	9.1	175
7	Synthesis and Characterization of Highly Fluorinated Graphite Containing sp ² and sp ³ Carbon. <i>Chemistry of Materials</i> , 2004, 16, 1786-1792.	6.7	150
8	Fluorinated carbon nanofibres for high energy and high power densities primary lithium batteries. <i>Electrochemistry Communications</i> , 2007, 9, 1850-1855.	4.7	133
9	Observation of acoustic Dirac-like cone and double zero refractive index. <i>Nature Communications</i> , 2017, 8, 14871.	12.8	123
10	Electrochemical formation of carbon nano-powders with various porosities in molten alkali carbonates. <i>Electrochimica Acta</i> , 2009, 54, 4566-4573.	5.2	110
11	Tuning the electronic transport properties of graphene through functionalisation with fluorine. <i>Nanoscale Research Letters</i> , 2011, 6, 526.	5.7	105
12	Effect of curvature on C-F bonding in fluorinated carbons: from fullerene and derivatives to graphite. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 1388-1398.	2.8	102
13	Solid-State NMR Study of the Post-Fluorination of (C _{2.5} F) _n . <i>Journal of Physical Chemistry B</i> , 2007, 111, 14143-14151.	2.6	87
14	NMR and EPR studies of room temperature highly fluorinated graphite heat-treated under fluorine atmosphere. <i>Carbon</i> , 2004, 42, 1931-1940.	10.3	83
15	EPR and Solid-State NMR Studies of Poly(dicarbon monofluoride) (C ₂ F) _n . <i>Journal of Physical Chemistry B</i> , 2006, 110, 11800-11808.	2.6	83
16	Flat lens for pulse focusing of elastic waves in thin plates. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	82
17	Reactivity of Carbon Nanofibers with Fluorine Gas. <i>Chemistry of Materials</i> , 2007, 19, 161-172.	6.7	73
18	Solid-State NMR Study of Nanodiamonds Produced by the Detonation Technique. <i>Journal of Physical Chemistry C</i> , 2009, 113, 10371-10378.	3.1	70

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19	Strategies for Engineering High-Performance PGM-Free Catalysts toward Oxygen Reduction and Evolution Reactions. <i>Small Methods</i> , 2020, 4, 2000016.	8.6	70
20	Applicative performances of fluorinated carbons through fluorination routes: A review. <i>Journal of Fluorine Chemistry</i> , 2012, 134, 11-17.	1.7	67
21	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, 175-181.	2.6	66
22	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.	30.8	66
23	Comparative performances for primary lithium batteries of some covalent and semi-covalent graphite fluorides. <i>Journal of Power Sources</i> , 2006, 158, 1365-1372.	7.8	65
24	A thin and conformal metasurface for illusion acoustics of rapidly changing profiles. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	65
25	Graphene nanochains and nanoislands in the layers of room-temperature fluorinated graphite. <i>Carbon</i> , 2013, 59, 518-529.	10.3	57
26	Pushing the theoretical limit of Li-CFx batteries using fluorinated nanostructured carbon nanodiscs. <i>Carbon</i> , 2015, 94, 1061-1070.	10.3	57
27	Comparative Study of SWCNT Fluorination by Atomic and Molecular Fluorine. <i>Chemistry of Materials</i> , 2012, 24, 1744-1751.	6.7	56
28	Role of Atmospheric Oxygen for the Polymerization of Interleaved Aniline Sulfonic Acid in LDH. <i>Chemistry of Materials</i> , 2002, 14, 3799-3807.	6.7	55
29	Magnesium batteries: Towards a first use of graphite fluorides. <i>Journal of Power Sources</i> , 2007, 173, 592-598.	7.8	52
30	Enhanced performances in primary lithium batteries of fluorinated carbon nanofibers through static fluorination. <i>Electrochimica Acta</i> , 2013, 114, 142-151.	5.2	50
31	Electrochemical performance of low temperature fluorinated graphites used as cathode in primary lithium batteries. <i>Carbon</i> , 2006, 44, 2543-2548.	10.3	49
32	Protection of nuclear graphite toward fluoride molten salt by glassy carbon deposit. <i>Journal of Nuclear Materials</i> , 2009, 384, 292-302.	2.7	48
33	Modification of ultra-high-molecular weight polyethylene by various fluorinating routes. <i>Journal of Polymer Science Part A</i> , 2011, 49, 3559-3573.	2.3	47
34	Thermal exfoliation of fluorinated graphite. <i>Carbon</i> , 2014, 77, 688-704.	10.3	46
35	Tuning the discharge potential of fluorinated carbon used as electrode in primary lithium battery. <i>Electrochimica Acta</i> , 2012, 59, 485-491.	5.2	44
36	Structural and mechanical properties of a-C:H thin films grown by RF-PECVD. <i>Diamond and Related Materials</i> , 2004, 13, 1618-1624.	3.9	41

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37	Carbon nanofibres fluorinated using TbF ₄ as fluorinating agent. Part I: Structural properties. Carbon, 2008, 46, 1010-1016.	10.3	41
38	Time-Driven Superoscillations with Negative Refraction. Physical Review Letters, 2015, 114, 013902.	7.8	41
39	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. Journal of Solid State Chemistry, 2005, 178, 1262-1268.	2.9	40
40	Effect of graphitization on fluorination of carbon nanocones and nanodiscs. Carbon, 2009, 47, 2763-2775.	10.3	40
41	NMR and NEXAFS Study of Various Graphite Fluorides. Journal of Physical Chemistry C, 2013, 117, 13564-13572.	3.1	40
42	Electrochemical insertion of lithium ions into disordered carbons derived from reduced graphite fluoride. Carbon, 2003, 41, 453-463.	10.3	39
43	High energy density of primary lithium batteries working with sub-fluorinated few walled carbon nanotubes cathode. Journal of Alloys and Compounds, 2017, 726, 852-859.	5.5	38
44	Highly fluorinated graphite prepared from graphite fluoride formed using BF ₃ catalyst. Journal of Fluorine Chemistry, 2005, 126, 1078-1087.	1.7	37
45	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.	3.1	36
46	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.	4.0	35
47	SiO _x N _y thin films deposited by reactive sputtering: Process study and structural characterisation. Thin Solid Films, 2007, 515, 3480-3487.	1.8	34
48	New synthesis methods for fluorinated carbon nanofibres and applications. Journal of Fluorine Chemistry, 2010, 131, 676-683.	1.7	34
49	Fluorinated nanodiamonds as unique neutron reflector. Carbon, 2018, 130, 799-805.	10.3	34
50	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.	6.7	33
51	Improvement of wood polymer composite mechanical properties by direct fluorination. Materials & Design, 2015, 74, 61-66.	5.1	33
52	Chlorinated holey double-walled carbon nanotubes for relative humidity sensors. Carbon, 2019, 148, 413-420.	10.3	33
53	Enhancement of surface properties on commercial polymer packaging films using various surface treatment processes (fluorination and plasma). Applied Surface Science, 2014, 315, 426-431.	6.1	32
54	Study of the fluorination of carbon anode in molten KF-2HF by XPS and NMR investigations. Journal of Fluorine Chemistry, 2009, 130, 1080-1085.	1.7	31

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55	Direct fluorination applied to wood flour used as a reinforcement for polymers. Carbohydrate Polymers, 2013, 94, 642-646.	10.2	31
56	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.	1.7	31
57	Fluorinated (Nano)Carbons: CF _x Electrodes and CF _x -Based Batteries. Energy Technology, 2021, 9, 2000605.	3.8	31
58	Direct fluorination of poly(p-phenylene). Polymer, 2005, 46, 6736-6745.	3.8	30
59	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.	6.7	30
60	All-organic device with integrated chemical filter dedicated to the selective measurement of NO ₂ in air. Organic Electronics, 2010, 11, 1223-1229.	2.6	30
61	Solid State NMR study of nanodiamond surface chemistry. Solid State Nuclear Magnetic Resonance, 2011, 40, 144-154.	2.3	30
62	Electrochemical discharge mechanism of fluorinated graphite used as electrode in primary lithium batteries. Journal of Physics and Chemistry of Solids, 2006, 67, 1173-1177.	4.0	28
63	Tribological Properties of Fluorinated Carbon Nanofibres. Tribology Letters, 2009, 34, 49-59.	2.6	27
64	Structural/textural properties and water reactivity of fluorinated activated carbons. Carbon, 2012, 50, 5135-5147.	10.3	27
65	Activity and Durability of Platinum-Based Electrocatalysts Supported on Bare or Fluorinated Nanostructured Carbon Substrates. Journal of the Electrochemical Society, 2018, 165, F3346-F3358.	2.9	27
66	Carbon nanofibres fluorinated using TbF ₄ as fluorinating agent. Part II: Adsorption and electrochemical properties. Carbon, 2008, 46, 1017-1024.	10.3	26
67	The synthesis of multilayer graphene materials by the fluorination of carbon nanodiscs/nanocones. Carbon, 2012, 50, 3897-3908.	10.3	26
68	Surface modification of low-density polyethylene packaging film via direct fluorination. Surface and Coatings Technology, 2016, 292, 144-154.	4.8	26
69	Emergence of an enslaved phononic bandgap in a non-equilibrium pseudo-crystal. Nature Materials, 2017, 16, 808-813.	27.5	26
70	Liquid-phase exfoliation of F-diamane-like nanosheets. Carbon, 2021, 175, 124-130.	10.3	26
71	Characterisation of carbonaceous materials derived from polyparaphenylene pyrolyzed at low temperature. Carbon, 2000, 38, 1411-1417.	10.3	25
72	Fluorination of silicon carbide thin films using pure F ₂ gas or XeF ₂ . Thin Solid Films, 2010, 518, 6746-6751.	1.8	25

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73	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.	1.7	25
74	Tuning the transport gap of functionalized graphene via electron beam irradiation. <i>New Journal of Physics</i> , 2013, 15, 033024.	2.9	25
75	Kerker Effect in Ultrahigh-Field Magnetic Resonance Imaging. <i>Physical Review X</i> , 2018, 8, .	8.9	24
76	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.	2.4	23
77	Fabrication and characterization of fluorinated single-walled carbon nanotubes. <i>Nanotechnologies in Russia</i> , 2009, 4, 60-78.	0.7	23
78	Large-scale synthesis of fluorinated graphene by rapid thermal exfoliation of highly fluorinated graphite. <i>Dalton Transactions</i> , 2018, 47, 4596-4606.	3.3	23
79	Structural and Optical Investigations of Silicon Carbon Nitride Thin Films Deposited by Magnetron Sputtering. <i>Plasma Processes and Polymers</i> , 2009, 6, S11.	3.0	22
80	The synthesis of microporous carbon by the fluorination of titanium carbide. <i>Carbon</i> , 2011, 49, 2998-3009.	10.3	22
81	Experiments on Maxwell's fish-eye dynamics in elastic plates. <i>Applied Physics Letters</i> , 2015, 106, .	3.3	22
82	Insights on the reactivity of ordered porous carbons exposed to different fluorinating agents and conditions. <i>Carbon</i> , 2015, 84, 567-583.	10.3	22
83	Effect of nanodiamond fluorination on the efficiency of quasispecular reflection of cold neutrons. <i>Physical Review A</i> , 2018, 97, .	2.5	22
84	From hydrophilic to hydrophobic wood using direct fluorination: A localized treatment. <i>Comptes Rendus Chimie</i> , 2018, 21, 800-807.	0.5	22
85	Direct Imaging of the Energy-Transfer Enhancement between Two Dipoles in a Photonic Cavity. <i>Physical Review X</i> , 2019, 9, .	8.9	22
86	Tuning fluorine and oxygen distribution in graphite oxifluorides for enhanced performances in primary lithium battery. <i>Carbon</i> , 2019, 141, 6-15.	10.3	22
87	Electrochemical insertion of alkaline ions into polyparaphenylene: effect of the crystalline structure of the host material. <i>Electrochimica Acta</i> , 2001, 46, 4301-4307.	5.2	21
88	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.	4.0	21
89	Tribological properties of fluorinated nanocarbons with different shape factors. <i>Journal of Fluorine Chemistry</i> , 2012, 144, 10-16.	1.7	21
90	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.	3.9	21

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91	Electrochemical intercalation of sodium ions into poly(para-phenylene) in carbonate-based electrolytes. <i>Synthetic Metals</i> , 1997, 90, 127-134.	3.9	20
92	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.	4.8	20
93	Experimental and DFT high pressure study of fluorinated graphite (C ₂ F) _n . <i>Carbon</i> , 2017, 114, 690-699.	10.3	20
94	Structural investigations of sol-gel-derived LiYF ₄ and LiGdF ₄ powders. <i>Journal of Solid State Chemistry</i> , 2007, 180, 3049-3057.	2.9	19
95	Fluorinated exfoliated graphite as cathode materials for enhanced performances in primary lithium battery. <i>Electrochimica Acta</i> , 2017, 227, 18-23.	5.2	19
96	Fluorination renders the wood surface hydrophobic without any loss of physical and mechanical properties. <i>Industrial Crops and Products</i> , 2019, 133, 133-141.	5.2	19
97	C F bonding in fluorinated N-Doped carbons. <i>Applied Surface Science</i> , 2022, 577, 151721.	6.1	19
98	Solid-state NMR and EPR study of fluorinated carbon nanofibers. <i>Journal of Solid State Chemistry</i> , 2008, 181, 1915-1924.	2.9	18
99	An unusual weak bonding mode of fluorine to single-walled carbon nanotubes. <i>Carbon</i> , 2009, 47, 2557-2562.	10.3	18
100	Modifications induced by acetylacetone in properties of sol-gel derived Y ₃ Al ₅ O ₁₂ :Tb ³⁺ : structural and morphological organizations. <i>Dalton Transactions</i> , 2010, 39, 8706.	3.3	18
101	How to decrease the hydrophilicity of wood flour to process efficient composite materials. <i>Applied Surface Science</i> , 2015, 353, 1234-1241.	6.1	18
102	Superhydrophobicity of polymer films via fluorine atoms covalent attachment and surface nano-texturing. <i>Journal of Fluorine Chemistry</i> , 2017, 200, 123-132.	1.7	18
103	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.	10.3	18
104	Room temperature graphite fluorination process using chlorine as catalyst. <i>Journal of Physics and Chemistry of Solids</i> , 2006, 67, 1157-1161.	4.0	17
105	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.	2.4	17
106	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.	7.8	17
107	One Single Static Measurement Predicts Wave Localization in Complex Structures. <i>Physical Review Letters</i> , 2016, 117, 074301.	7.8	17
108	Electrochemical oxidation of graphite in aqueous hydrofluoric acid solution at high current densities. <i>Journal of Fluorine Chemistry</i> , 2016, 185, 36-41.	1.7	17

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109	Systematic Analysis of the Improvements in Magnetic Resonance Microscopy with Ferroelectric Composite Ceramics. <i>Advanced Materials</i> , 2019, 31, e1900912.	21.0	17
110	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.	5.2	16
111	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.	4.0	16
112	The effect of nanostructure on the thermal properties of fluorinated carbon nanofibres. <i>Carbon</i> , 2011, 49, 4801-4811.	10.3	16
113	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.	3.1	16
114	Enhancement of surface properties on Low Density Polyethylene packaging films using various fluorination routes. <i>European Polymer Journal</i> , 2015, 66, 18-32.	5.4	16
115	High energy primary lithium battery using oxidized sub-fluorinated graphite fluorides. <i>Journal of Fluorine Chemistry</i> , 2019, 227, 109369.	1.7	16
116	A review about the fluorination and oxyfluorination of carbon fibres. <i>Journal of Fluorine Chemistry</i> , 2021, 251, 109887.	1.7	16
117	In situ polymerisation of monomers in layered double hydroxides. <i>Comptes Rendus Chimie</i> , 2003, 6, 259-264.	0.5	15
118	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, 131-140.	2.3	15
119	Fluorinated nanocarbons using fluorinating agent: Strategies of fluorination and applications. <i>European Physical Journal B</i> , 2010, 75, 133-139.	1.5	15
120	Friction Properties of Fluorinated Carbon Nanodiscs and Nanocones. <i>Tribology Letters</i> , 2011, 41, 353-362.	2.6	15
121	Carbon in lithium-ion and post-lithium-ion batteries: Recent features. <i>Synthetic Metals</i> , 2021, 280, 116864.	3.9	15
122	Tribological Properties of Room Temperature Fluorinated Graphite Heat-Treated Under Fluorine Atmosphere. <i>Tribology Letters</i> , 2010, 37, 31-41.	2.6	14
123	Structure control at the nanoscale in fluorinated graphitized carbon blacks through the fluorination route. <i>Journal of Fluorine Chemistry</i> , 2014, 168, 163-172.	1.7	14
124	The effect of lignin on the reactivity of natural fibres towards molecular fluorine. <i>Materials and Design</i> , 2017, 120, 66-74.	7.0	13
125	Preparation and Applications of Fluorinated Graphenes. <i>Journal of Carbon Research</i> , 2021, 7, 20.	2.7	13
126	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.	2.6	12

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127	Pseudotetragonal Structure of $\text{Li}_{2+x}\text{Ce}_{12}\text{F}_{50}$: The First Mixed Valence Cerium Fluoride. <i>Inorganic Chemistry</i> , 2010, 49, 686-694.	10.5	12
128	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.	1.8	12
129	Superhydrophobicity via gas-phase monomers grafting onto carbon nanotubes. <i>Progress in Surface Science</i> , 2016, 91, 57-71.	8.3	12
130	Fluorine-graphite intercalation compound $(\text{C}_4\text{F})_n$ at high pressure: Experimental and theoretical study. <i>Carbon</i> , 2018, 127, 384-391.	10.3	12
131	Acoustic flat lensing using an indefinite medium. <i>Physical Review B</i> , 2019, 99, .	3.2	12
132	Wireless coils based on resonant and nonresonant coupled μ wire structure for small animal multinuclear imaging. <i>NMR in Biomedicine</i> , 2019, 32, e4079.	2.8	12
133	Synthesis and crystal structure of $\text{Rb}_2\text{AlTb}_3\text{F}_{16}$: a new mixed-valence terbium fluoride. <i>Solid State Sciences</i> , 2003, 5, 1141-1148.	3.2	11
134	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.	5.5	11
135	Fluorine-intercalated graphite for lithium batteries. , 2005, , 369-395.		11
136	Direct Fluorination of Carbon Nanocones and Nanodiscs. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 4496-4501.	0.9	11
137	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.	7.8	11
138	Directional excitation without breaking reciprocity. <i>New Journal of Physics</i> , 2016, 18, 095001.	2.9	11
139	Atomic Layer Fluorination of the $\text{Li}_4\text{Ti}_5\text{O}_{12}$ Surface: A Multiprobing Survey. <i>ACS Applied Energy Materials</i> , 2019, 2, 6681-6692.	5.1	11
140	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.	5.0	11
141	Raman spectroelectrochemical study of sodium intercalation into poly(p-phenylene). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003, 59, 1849-1856.	3.9	10
142	Dual C F bonding in fluorinated exfoliated graphite. <i>Journal of Fluorine Chemistry</i> , 2015, 174, 36-41.	1.7	10
143	A universal fluorous technology toward superhydrophobic coatings. <i>Journal of Colloid and Interface Science</i> , 2019, 553, 778-787.	9.4	10
144	Direct fluorination of various poly(p-phenylene): Effects of the polymer synthesis and thermal post-treatment. <i>Polymer</i> , 2007, 48, 3961-3973.	3.8	9

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145	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.	9.4	9
146	Fluorination/Torrefaction Combination to Further Improve the Hydrophobicity of Wood. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900041.	2.2	9
147	Favorable Intercalation of Nitrate Ions with Fluorine-Substituted Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2020, 59, 1602-1610.	4.0	9
148	Surface modification of sized vegetal fibers through direct fluorination for eco-composites. <i>Journal of Fluorine Chemistry</i> , 2020, 238, 109618.	1.7	9
149	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.	1.8	8
150	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.	4.0	8
151	Comparative Electrochemical Study of Low Temperature Fluorinated Graphites used as Cathode in Primary Lithium Batteries. <i>ECS Transactions</i> , 2006, 3, 153-163.	0.5	8
152	A carbonaceous chemical filter for the selective detection of NO ₂ in the environment. <i>Carbon</i> , 2013, 52, 17-29.	10.3	8
153	Efficient Fluorinating Agent through Topochemical Fluorination of Co-Fe Layered Double Hydroxides. <i>Inorganic Chemistry</i> , 2014, 53, 852-860.	4.0	8
154	Tunable hydrophylicity/hydrophobicity of fluorinated carbon nanotubes via graft polymerization of gaseous monomers. <i>Journal of Fluorine Chemistry</i> , 2015, 178, 279-285.	1.7	8
155	Fluorination of carbon fibre sizing without mechanical or chemical loss of the fibre. <i>Applied Surface Science</i> , 2020, 534, 147647.	6.1	8
156	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.	2.8	8
157	A Semi-Analytical Model of High-Permittivity Dielectric Ring Resonators for Magnetic Resonance Imaging. <i>IEEE Transactions on Antennas and Propagation</i> , 2020, 68, 6317-6329.	5.1	8
158	Hyperfine interaction in Zn-Al layered double hydroxides intercalated with conducting polymers. <i>Journal of Physics and Chemistry of Solids</i> , 2008, 69, 1079-1083.	4.0	7
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