Ddl Chung

List of Publications by Year
in descending order

344 papers	18,384 citations	10986 71 h-index	20358 116 g-index
349 all docs	349 docs citations	349 times ranked	10001 citing authors

#	Article	IF	Citations
1	Electromagnetic interference shielding effectiveness of carbon materials. Carbon, 2001, 39, 279-285.	10.3	1,655
2	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. Carbon, 2012, 50, 3342-3353.	10.3	507
3	Materials for Electromagnetic Interference Shielding. Journal of Materials Engineering and Performance, 2000, 9, 350-354.	2.5	487
4	Materials for thermal conduction. Applied Thermal Engineering, 2001, 21, 1593-1605.	6.0	356
5	Electromagnetic interference shielding using continuous carbon-fiber carbon-matrix and polymer-matrix composites. Composites Part B: Engineering, 1999, 30, 227-231.	12.0	337
6	Cement reinforced with short carbon fibers: a multifunctional material. Composites Part B: Engineering, 2000, 31, 511-526.	12.0	289
7	Materials for electromagnetic interference shielding. Materials Chemistry and Physics, 2020, 255, 123587.	4.0	220
8	Ozone treatment of carbon fiber for reinforcing cement. Carbon, 1998, 36, 1337-1345.	10.3	216
9	Thermal Interface Materials. Journal of Materials Engineering and Performance, 2001, 10, 56-59.	2.5	198
10	Increasing the electromagnetic interference shielding effectiveness of carbon fiber polymerâ€"matrix composite by using activated carbon fibers. Carbon, 2002, 40, 445-447.	10.3	198
11	Self-monitoring structural materials. Materials Science and Engineering Reports, 1998, 22, 57-78.	31.8	196
12	Concrete as a new strain/stress sensor. Composites Part B: Engineering, 1996, 27, 11-23.	12.0	190
13	Self-sensing of flexural strain and damage in carbon fiber polymer-matrix composite by electrical resistance measurement. Carbon, 2006, 44, 2739-2751.	10.3	172
14	Partial replacement of carbon fiber by carbon black in multifunctional cementâ€"matrix composites. Carbon, 2007, 45, 505-513.	10.3	162
15	Carbon fiber-reinforced concrete for traffic monitoring and weighing in motion. Cement and Concrete Research, 1999, 29, 435-439.	11.0	161
16	Electromagnetic interference shielding reaching 70 dB in steel fiber cement. Cement and Concrete Research, 2004, 34, 329-332.	11.0	157
17	Self-monitoring of fatigue damage in carbon fiber reinforced cement. Cement and Concrete Research, 1996, 26, 15-20.	11.0	156
18	Comparison of submicron-diameter carbon filaments and conventional carbon fibers as fillers in composite materials. Carbon, 2001, 39, 1119-1125.	10.3	156

#	ARTICLE	IF	CITATIONS
19	Processing-structure-property relationships of continuous carbon fiber polymer-matrix composites. Materials Science and Engineering Reports, 2017, 113, 1-29.	31.8	149
20	Concrete reinforced with up to 0.2 vol% of short carbon fibres. Composites, 1993, 24, 33-52.	0.7	148
21	A comparative study of steel- and carbon-fibre cement as piezoresistive strain sensors. Advances in Cement Research, 2003, 15, 119-128.	1.6	143
22	Effect of sand addition on the specific heat and thermal conductivity of cement. Cement and Concrete Research, 2000, 30, 59-61.	11.0	138
23	Electric polarization and depolarization in cement-based materials, studied by apparent electrical resistance measurement. Cement and Concrete Research, 2004, 34, 481-485.	11.0	133
24	Graphite nanoplatelet pastes vs. carbon black pastes as thermal interface materials. Carbon, 2009, 47, 295-305.	10.3	129
25	The role of electronic and ionic conduction in the electrical conductivity of carbon fiber reinforced cement. Carbon, 2006, 44, 2130-2138.	10.3	128
26	Electric polarization in carbon fiber-reinforced cement. Cement and Concrete Research, 2001, 31, 141-147.	11.0	126
27	Carbon black dispersions as thermal pastes that surpass solder in providing high thermal contact conductance. Carbon, 2003, 41, 2459-2469.	10.3	126
28	Damage in carbon fiber-reinforced concrete, monitored by electrical resistance measurement. Cement and Concrete Research, 2000, 30, 651-659.	11.0	122
29	Electromagnetic interference shielding reaching 130 dB using flexible graphite. Carbon, 1996, 34, 1293-1294.	10.3	121
30	Double percolation in the electrical conduction in carbon fiber reinforced cement-based materials. Carbon, 2007, 45, 263-267.	10.3	121
31	Carbon nanofiber mats for electromagnetic interference shielding. Carbon, 2017, 111, 529-537.	10.3	121
32	Electrical and mechanical properties of electrically conductive polyethersulfone composites. Composites, 1994, 25, 215-224.	0.7	120
33	Seebeck effect in carbon fiber-reinforced cement. Cement and Concrete Research, 1999, 29, 1989-1993.	11.0	120
34	Improving the bond strength between carbon fiber and cement by fiber surface treatment and polymer addition to cement mix. Cement and Concrete Research, 1996, 26, 1007-1012.	11.0	118
35	A review of multifunctional polymer-matrix structural composites. Composites Part B: Engineering, 2019, 160, 644-660.	12.0	114
36	Electromagnetic interference shielding by carbon fibre reinforced cement. Composites, 1989, 20, 379-381.	0.7	109

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37	Effects of silica fume, latex, methylcellulose, and carbon fibers on the thermal conductivity and specific heat of cement paste. Cement and Concrete Research, 1997, 27, 1799-1804.	11.0	106
38	Self-sensing of flexural damage and strain in carbon fiber reinforced cement and effect of embedded steel reinforcing bars. Carbon, 2006, 44, 1496-1502.	10.3	105
39	Carbon fiber-reinforced cement as a thermistor. Cement and Concrete Research, 1999, 29, 961-965.	11.0	103
40	Electrical-resistance-based damage self-sensing in carbon fiber reinforced cement. Carbon, 2007, 45, 710-716.	10.3	103
41	Carbon fiber-reinforced cement as a strain-sensing coating. Cement and Concrete Research, 2001, 31, 665-667.	11.0	102
42	Impact damage of carbon fiber polymerâ€“matrix composites, studied by electrical resistance measurement. Composites Part A: Applied Science and Manufacturing, 2005, 36, 1707-1715.	7.6	101
43	Submicron carbon filament cement-matrix composites for electromagnetic interference shielding. Cement and Concrete Research, 1996, 26, 1467-1472.	11.0	100
44	Effect of curing age on the self-monitoring behavior of carbon fiber reinforced mortar. Cement and Concrete Research, 1997, 27, 1313-1318.	11.0	99
45	Effect of corrosion on the bond between concrete and steel rebar. Cement and Concrete Research, 1997, 27, 1811-1815.	11.0	99
46	Colloidal graphite as an admixture in cement and as a coating on cement for electromagnetic interference shielding. Cement and Concrete Research, 2003, 33, 1737-1740.	11.0	98
47	Increasing the through-thickness thermal conductivity of carbon fiber polymerâ€“matrix composite by curing pressure increase and filler incorporation. Composites Science and Technology, 2011, 71, 1944-1952.	7.8	98
48	Self-monitoring in carbon fiber reinforced mortar by reactance measurement. Cement and Concrete Research, 1997, 27, 845-852.	11.0	97
49	Self-monitoring of fatigue damage and dynamic strain in carbon fiber polymer-matrix composite. Composites Part B: Engineering, 1998, 29, 63-73.	12.0	97
50	Structural composite materials tailored for damping. Journal of Alloys and Compounds, 2003, 355, 216-223.	5.5	97
51	Uniaxial tension in carbon fiber reinforced cement, sensed by electrical resistivity measurement in longitudinal and transverse directions. Cement and Concrete Research, 2000, 30, 1289-1294.	11.0	92
52	Flexible Graphite for Gasketing, Adsorption, Electromagnetic Interference Shielding, Vibration Damping, Electrochemical Applications, and Stress Sensing. Journal of Materials Engineering and Performance, 2000, 9, 161-163.	2.5	92
53	Enhancing the thermal conductivity and compressive modulus of carbon fiber polymerâ€“matrix composites in the through-thickness direction by nanostructuring the interlaminar interface with carbon black. Carbon, 2008, 46, 1060-1071.	10.3	92
54	Damage in cement-based materials, studied by electrical resistance measurement. Materials Science and Engineering Reports, 2003, 42, 1-40.	31.8	90

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55	Carbon fiber reinforced cement improved by using silane-treated carbon fibers. Cement and Concrete Research, 1999, 29, 773-776.	11.0	89
56	Improving the Strain-Sensing Ability of Carbon Fiber-Reinforced Cement by Ozone Treatment of the Fibers 11Communicated by D.M. Roy.. Cement and Concrete Research, 1998, 28, 183-187.	11.0	86
57	Lattice vibrations in graphite and intercalation compounds of graphite. Materials Science and Engineering, 1977, 31, 141-152.	0.1	85
58	Submicron-diameter-carbon-filament cement-matrix composites. Carbon, 1998, 36, 459-462.	10.3	85
59	Raman scattering in graphite intercalation compounds. Solid State Communications, 1976, 20, 1111-1115.	1.9	84
60	Improving silica fume cement by using silane. Cement and Concrete Research, 2000, 30, 1305-1311.	11.0	83
61	Calorimetric evaluation of phase change materials for use as thermal interface materials. Thermochimica Acta, 2001, 366, 135-147.	2.7	82
62	Electrical Conduction Behavior of Cement-Matrix Composites. Journal of Materials Engineering and Performance, 2002, 11, 194-204.	2.5	82
63	Cement of high specific heat and high thermal conductivity, obtained by using silane and silica fume as admixtures. Cement and Concrete Research, 2000, 30, 1175-1178.	11.0	81
64	Exfoliation of intercalated graphite. Carbon, 1984, 22, 253-263.	10.3	80
65	Uniaxial compression in carbon fiber-reinforced cement, sensed by electrical resistivity measurement in longitudinal and transverse directions. Cement and Concrete Research, 2001, 31, 297-301.	11.0	80
66	Effect of admixtures in concrete on the corrosion resistance of steel reinforced concrete. Corrosion Science, 2000, 42, 1489-1507.	6.6	79
67	Use of fly ash as an admixture for electromagnetic interference shielding. Cement and Concrete Research, 2004, 34, 1889-1892.	11.0	78
68	Oxidation protection of carbon materials by acid phosphate impregnation. Carbon, 2002, 40, 1249-1254.	10.3	77
69	Piezoresistivity in continuous carbon fiber cement-matrix composite. Cement and Concrete Research, 1999, 29, 445-449.	11.0	76
70	Carbon-fiber/polymer-matrix composites as capacitors. Composites Science and Technology, 2001, 61, 885-888.	7.8	76
71	Damage evolution during freezeâ€“thaw cycling of cement mortar, studied by electrical resistivity measurement. Cement and Concrete Research, 2002, 32, 1657-1661.	11.0	76
72	Vibration damping admixtures for cement. Cement and Concrete Research, 1996, 26, 69-75.	11.0	75

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73	Improving the bonding between old and new concrete by adding carbon fibers to the new concrete. Cement and Concrete Research, 1995, 25, 491-496.	11.0	74
74	Enhancing the Seebeck effect in carbon fiber-reinforced cement by using intercalated carbon fibers. Cement and Concrete Research, 2000, 30, 1295-1298.	11.0	74
75	Low-drying-shrinkage concrete containing carbon fibers. Composites Part B: Engineering, 1996, 27, 269-274.	12.0	71
76	Seebeck effect in steel fiber reinforced cement. Cement and Concrete Research, 2000, 30, 661-664.	11.0	71
77	Carbon black pastes as coatings for improving thermal gap-filling materials. Carbon, 2006, 44, 435-440.	10.3	70
78	Model of piezoresistivity in carbon fiber cement. Cement and Concrete Research, 2006, 36, 1879-1885.	11.0	69
79	Electrical-resistance-based Sensing of Impact Damage in Carbon Fiber Reinforced Cement-based Materials. Journal of Intelligent Material Systems and Structures, 2010, 21, 83-105.	2.5	68
80	Coke powder as an admixture in cement for electromagnetic interference shielding. Carbon, 2003, 41, 2433-2436.	10.3	64
81	Through-thickness piezoresistivity in a carbon fiber polymer-matrix structural composite for electrical-resistance-based through-thickness strain sensing. Carbon, 2013, 60, 129-138.	10.3	63
82	Electrically conducting powder filled polyimidesiloxane. Composites, 1991, 22, 211-218.	0.7	62
83	Carbon filaments and carbon black as a conductive additive to the manganese dioxide cathode of a lithium electrolytic cell. Journal of Power Sources, 1996, 58, 41-54.	7.8	62
84	Mesoporous activated carbon filaments. Carbon, 1997, 35, 427-430.	10.3	62
85	Analytical model of piezoresistivity for strain sensing in carbon fiber polymerâ€“matrix structural composite under flexure. Carbon, 2007, 45, 1606-1613.	10.3	62
86	Carbon fiber reinforced mortar as an electrical contact material for cathodic protection. Cement and Concrete Research, 1995, 25, 689-694.	11.0	61
87	Carbon fiber reinforced cement mortar improved by using acrylic dispersion as an admixture. Cement and Concrete Research, 2001, 31, 1633-1637.	11.0	61
88	Cathodic protection of steel reinforced concrete facilitated by using carbon fiber reinforced mortar or concrete. Cement and Concrete Research, 1997, 27, 649-656.	11.0	60
89	Electric permittivity of reduced graphite oxide. Carbon, 2017, 111, 182-190.	10.3	60
90	Cement-based materials for stress sensing by dielectric measurement. Cement and Concrete Research, 2002, 32, 1429-1433.	11.0	59

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91	Effects of carbon black on the thermal, mechanical and electrical properties of pitch-matrix composites. Carbon, 2004, 42, 2393-2397.	10.3	59
92	Effect of fiber lay-up configuration on the electromagnetic interference shielding effectiveness of continuous carbon fiber polymer-matrix composite. Carbon, 2019, 141, 685-691.	10.3	59
93	Contact electrical resistivity between cement and carbon fiber: Its decrease with increasing bond strength and its increase during fiber pull-out. Cement and Concrete Research, 1995, 25, 1391-1396.	11.0	58
94	Effect of admixtures on the dielectric constant of cement paste. Cement and Concrete Research, 2001, 31, 673-677.	11.0	58
95	Silane-treated carbon fiber for reinforcing cement. Carbon, 2001, 39, 1995-2001.	10.3	57
96	Increasing the specific heat of cement paste by admixture surface treatments. Cement and Concrete Research, 1999, 29, 1117-1121.	11.0	56
97	Improving the workability and strength of silica fume concrete by using silane-treated silica fume. Cement and Concrete Research, 1999, 29, 451-453.	11.0	55
98	Use of submicron diameter carbon filaments for reinforcement between continuous carbon fiber layers in a polymer-matrix composite. Carbon, 1995, 33, 1627-1631.	10.3	54
99	Performance of Thermal Interface Materials. Small, 2022, 18, e2200693.	10.0	54
100	Improving the electrochemical behavior of carbon black and carbon filaments by oxidation. Carbon, 1997, 35, 1111-1127.	10.3	53
101	Vibration damping using flexible graphite. Carbon, 2000, 38, 1510-1512.	10.3	53
102	Damage monitoring of cement paste by electrical resistance measurement. Cement and Concrete Research, 2000, 30, 1979-1982.	11.0	53
103	Reducing the drying shrinkage of cement paste by admixture surface treatments. Cement and Concrete Research, 2000, 30, 241-245.	11.0	53
104	Carbon black dispersions and carbonâ€“silver combinations as thermal pastes that surpass commercial silver and ceramic pastes in providing high thermal contact conductance. Carbon, 2004, 42, 2323-2327.	10.3	52
105	Colossal electric permittivity discovered in polyacrylonitrile (PAN) based carbon fiber, with comparison of PAN-based and pitch-based carbon fibers. Carbon, 2019, 145, 734-739.	10.3	51
106	Self-sensing concrete: from resistance-based sensing to capacitance-based sensing. International Journal of Smart and Nano Materials, 2021, 12, 1-19.	4.2	51
107	Interlaminar damage in carbon fiber polymer-matrix composites, studied by electrical resistance measurement. International Journal of Adhesion and Adhesives, 2001, 21, 465-471.	2.9	50
108	Exfoliated graphite with relative dielectric constant reaching 360, obtained by exfoliation of acid-intercalated graphite flakes without subsequent removal of the residual acidity. Carbon, 2015, 91, 1-10.	10.3	50

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109	Improving the dispersion of steel fibers in cement mortar by the addition of silane. Cement and Concrete Research, 2001, 31, 309-311.	11.0	49
110	Unprecedented vibration damping with high values of loss modulus and loss tangent, exhibited by cementâ€“matrix graphite network composite. Carbon, 2010, 48, 1457-1464.	10.3	49
111	Dielectric and electrical conduction behavior of carbon paste electrochemical electrodes, with decoupling of carbon, electrolyte and interface contributions. Carbon, 2014, 72, 135-151.	10.3	49
112	Effect of methylcellulose admixture on the mechanical properties of cement. Cement and Concrete Research, 1996, 26, 535-538.	11.0	48
113	Radio-wave electrical conductivity and absorption-dominant interaction with radio wave of exfoliated-graphite-based flexible graphite, with relevance to electromagnetic shielding and antennas. Carbon, 2020, 157, 549-562.	10.3	48
114	Effect of stress on the electric polarization in cement. Cement and Concrete Research, 2001, 31, 291-295.	11.0	46
115	Carbon Nanotube Thermal Pastes for Improving Thermal Contacts. Journal of Electronic Materials, 2007, 36, 1181-1187.	2.2	46
116	Effect of carbon black structure on the effectiveness of carbon black thermal interface pastes. Carbon, 2007, 45, 2922-2931.	10.3	45
117	Electromechanical behavior of carbon fiber. Carbon, 1997, 35, 706-709.	10.3	44
118	Carbon fiber structural composites as thermistors. Sensors and Actuators A: Physical, 1999, 78, 180-188.	4.1	44
119	Effect of carbon fiber grade on the electrical behavior of carbon fiber reinforced cement. Carbon, 2001, 39, 369-373.	10.3	44
120	Flexible graphite as a heating element. Carbon, 2002, 40, 2285-2289.	10.3	44
121	The interlaminar interface of a carbon fiber polymer-matrix composite as a resistance heating element. Composites Part A: Applied Science and Manufacturing, 2003, 34, 933-940.	7.6	44
122	Effect of nickel coating on the stress-dependent electric permittivity, piezoelectricity and piezoresistivity of carbon fiber, with relevance to stress self-sensing. Carbon, 2019, 145, 401-410.	10.3	44
123	Intralayer crystal structure and order-disorder transformations of graphite intercalation compounds using electron diffraction techniques. Materials Science and Engineering, 1977, 31, 107-114.	0.1	43
124	Radio-wave-reflecting concrete for lateral guidance in automatic highways. Cement and Concrete Research, 1998, 28, 795-801.	11.0	43
125	Improving colloidal graphite for electromagnetic interference shielding using 0.1 Î¼m diameter carbon filaments. Carbon, 2003, 41, 1313-1315.	10.3	43
126	Effect of the planar coil and linear arrangements of continuous carbon fiber tow on the electromagnetic interference shielding effectiveness, with comparison of carbon fibers with and without nickel coating. Carbon, 2019, 152, 898-908.	10.3	43

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127	Piezoelectric cement-based materials with large coupling and voltage coefficients. Cement and Concrete Research, 2002, 32, 335-339.	11.0	42
128	Pore Structure and Permeability of an Alumina Fiber Filter Membrane for Hot Gas Filtration. Journal of Porous Materials, 2002, 9, 211-219.	2.6	42
129	Pyroelectric behavior of cement-based materials. Cement and Concrete Research, 2003, 33, 1675-1679.	11.0	42
130	Calorimetric study of the effect of carbon fillers on the curing of epoxy. Carbon, 2004, 42, 3039-3042.	10.3	42
131	Development, design and applications of structural capacitors. Applied Energy, 2018, 231, 89-101.	10.1	42
132	Electric permittivity of carbon fiber. Carbon, 2019, 143, 475-480.	10.3	42
133	Self-monitoring of strain and damage by a carbon-carbon composite. Carbon, 1997, 35, 621-630.	10.3	41
134	Improving the abrasion resistance of mortar by adding latex and carbon fibers. Cement and Concrete Research, 1997, 27, 1149-1153.	11.0	41
135	Effects of sand and silica fume on the vibration damping behavior of cement. Cement and Concrete Research, 1998, 28, 1353-1356.	11.0	41
136	Anodic performance of vapor-derived carbon filaments in lithium-ion secondary battery. Carbon, 2001, 39, 493-496.	10.3	41
137	Improving the tensile properties of carbon fiber reinforced cement by ozone treatment of the fiber. Cement and Concrete Research, 1996, 26, 1485-1488.	11.0	40
138	Thermal analysis of carbon fiber polymer-matrix composites by electrical resistance measurement. Thermochimica Acta, 2000, 364, 121-132.	2.7	40
139	Combined Use of Magnetic and Electrically Conductive Fillers in a Polymer Matrix for Electromagnetic Interference Shielding. Journal of Electronic Materials, 2008, 37, 1088-1094.	2.2	40
140	The importance of the electrical contact between specimen and testing fixture in evaluating the electromagnetic interference shielding effectiveness of carbon materials. Carbon, 2017, 117, 427-436.	10.3	40
141	Effect of carbon fibers on the vibration-reduction ability of cement. Cement and Concrete Research, 1999, 29, 1107-1109.	11.0	39
142	Flexible graphite modified by carbon black paste for use as a thermal interface material. Carbon, 2011, 49, 1075-1086.	10.3	38
143	Graphite oxide paper as a polarizable electrical conductor in the through-thickness direction. Carbon, 2016, 109, 874-882.	10.3	38
144	A comparative study of the wettability of steel, carbon, and polyethylene fibers by water. Cement and Concrete Research, 1998, 28, 783-786.	11.0	37

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145	Interlaminar interface in carbon fiber polymer-matrix composites, studied by contact electrical resistivity measurement. Composite Interfaces, 1998, 6, 497-505.	2.3	37
146	Temperature/light sensing using carbon fiber polymer-matrix composite. Composites Part B: Engineering, 1999, 30, 591-601.	12.0	37
147	Self-sensing of Damage and Strain in Carbon Fiber Polymer-Matrix Structural Composites by Electrical Resistance Measurement. Polymers and Polymer Composites, 2003, 11, 515-525.	1.9	37
148	Electrochemical behavior of porous carbons. Carbon, 1997, 35, 893-916.	10.3	36
149	Vibration Reduction Ability of Polymers, Particularly Polymethylmethacrylate and Polytetrafluoroethylene. Polymers and Polymer Composites, 2001, 9, 423-426.	1.9	36
150	Cement-based thermocouples. Cement and Concrete Research, 2001, 31, 507-510.	11.0	36
151	Thermomechanical behavior of a graphite foam. Carbon, 2003, 41, 1175-1180.	10.3	36
152	Carbon fiber mats as resistive heating elements. Carbon, 2003, 41, 2436-2440.	10.3	36
153	Mats and Fabrics for Electromagnetic Interference Shielding. Journal of Materials Engineering and Performance, 2006, 15, 295-298.	2.5	36
154	Viscoelastic behavior of the cell wall of exfoliated graphite. Carbon, 2013, 61, 305-312.	10.3	36
155	First report of capacitance-based self-sensing and in-plane electric permittivity of carbon fiber polymer-matrix composite. Carbon, 2018, 140, 413-427.	10.3	36
156	Flexible graphite under repeated compression studied by electrical resistance measurements. Carbon, 2001, 39, 985-990.	10.3	35
157	Carbon-coated sepiolite clay fibers with acid pre-treatment as low-cost organic adsorbents. Carbon, 2017, 123, 259-272.	10.3	35
158	Latex-modified cement mortar reinforced by short carbon fibres. Composites, 1992, 23, 453-460.	0.7	34
159	Enhancing the vibration reduction ability of concrete by using steel reinforcement and steel surface treatments. Cement and Concrete Research, 2000, 30, 327-330.	11.0	34
160	Cement-matrix composites for thermal engineering. Applied Thermal Engineering, 2001, 21, 1607-1619.	6.0	34
161	Carbon fiber polymerâ€“matrix structural composites exhibiting greatly enhanced through-thickness thermoelectric figure of merit. Composites Part A: Applied Science and Manufacturing, 2013, 48, 162-170.	7.6	34
162	Interface-derived extraordinary viscous behavior of exfoliated graphite. Carbon, 2014, 68, 646-652.	10.3	34

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163	Exfoliation of single crystal graphite and graphite fibers intercalated with halogens. Synthetic Metals, 1983, 8, 343-349.	3.9	33
164	A theory for the kinetics of intercalation of graphite. Carbon, 1987, 25, 377-389.	10.3	33
165	Nanoclay Paste as a Thermal Interface Material for Smooth Surfaces. Journal of Electronic Materials, 2008, 37, 1698-1709.	2.2	33
166	Calorimetric study of the order-disorder transformations in graphite-halogens. Materials Science and Engineering, 1979, 37, 213-221.	0.1	32
167	Solvent cleansing of the surface of carbon filaments and its benefit to the electrochemical behavior. Carbon, 1995, 33, 1681-1698.	10.3	32
168	Electret behavior of carbon fiber structural composites with carbon and polymer matrices, and its application in self-sensing and self-powering. Carbon, 2020, 160, 361-389.	10.3	31
169	Correlation of the crystal structural and microstructural effects of the interfacial processes between gold and GaAs. Thin Solid Films, 1982, 93, 207-218.	1.8	30
170	Electrochemical behavior of flexible graphite. Carbon, 1997, 35, 858-860.	10.3	30
171	Origin of the thermoelectric behavior of steel fiber cement paste. Cement and Concrete Research, 2002, 32, 821-823.	11.0	30
172	Dynamic mechanical behavior of flexible graphite made from exfoliated graphite. Carbon, 2012, 50, 283-289.	10.3	30
173	Thermal and electrical conduction in the compaction direction of exfoliated graphite and their relation to the structure. Carbon, 2014, 77, 538-550.	10.3	30
174	Dielectric constant and electrical conductivity of carbon black as an electrically conductive additive in a manganese-dioxide electrochemical electrode, and their dependence on electrolyte permeation. Carbon, 2015, 91, 76-87.	10.3	29
175	Effect of the fringing electric field on the apparent electric permittivity of cement-based materials. Composites Part B: Engineering, 2017, 126, 192-201.	12.0	29
176	Effect of polymer admixtures to cement on the bond strength and electrical contact resistivity between steel fiber and cement. Cement and Concrete Research, 1996, 26, 189-194.	11.0	28
177	Corrosion Control of Steel-Reinforced Concrete. Journal of Materials Engineering and Performance, 2000, 9, 585-588.	2.5	28
178	Graphiteâ€“graphite electrical contact under dynamic mechanical loading. Carbon, 2001, 39, 615-618.	10.3	28
179	Thermoelectric behavior of carbonâ€“cement composites. Carbon, 2002, 40, 2495-2497.	10.3	28
180	Factors That Govern the Performance of Thermal Interface Materials. Journal of Electronic Materials, 2009, 38, 175-192.	2.2	28

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181	Effects of printing conditions on the molecular alignment of three-dimensionally printed polymer. Composites Part B: Engineering, 2018, 134, 164-168.	12.0	28
182	Electret, piezoelectret, dielectricity and piezoresistivity discovered in exfoliated-graphite-based flexible graphite, with applications in mechanical sensing and electric powering. Carbon, 2019, 150, 531-548.	10.3	28
183	Capacitance-based self-sensing of flaws and stress in carbon-carbon composites, with reports of the electric permittivity, piezoelectricity and piezoresistivity. Carbon, 2019, 146, 447-461.	10.3	28
184	Two-dimensional structure of bromine intercalated graphite. Materials Research Bulletin, 1983, 18, 1179-1187.	5.2	27
185	Linear correlation of bond strength and contact electrical resistivity between steel rebar and concrete. Cement and Concrete Research, 1995, 25, 1397-1402.	11.0	27
186	Piezoresistive behavior of carbon fiber in epoxy. Carbon, 1997, 35, 1649-1651.	10.3	27
187	Comparative evaluation of cement-matrix composites with distributed versus networked exfoliated graphite. Carbon, 2013, 63, 446-453.	10.3	27
188	Viscoelastic behavior of carbon black and its relationship with the aggregate size. Carbon, 2013, 60, 346-355.	10.3	26
189	Phase transitions in graphite-halogens. Synthetic Metals, 1980, 2, 109-120.	3.9	25
190	Carbon fiber reinforced cement composites improved by using chemical agents. Cement and Concrete Research, 1989, 19, 25-41.	11.0	25
191	Use of carbon filaments in place of carbon black as the current collector of a lithium cell with a thionyl chloride bromine chloride catholyte. Journal of Power Sources, 1996, 58, 55-66.	7.8	25
192	Improving both bond strength and corrosion resistance of steel rebar in concrete by water immersion or sand blasting of rebar. Cement and Concrete Research, 1997, 27, 679-684.	11.0	25
193	Effect of heating time below the melting temperature on polyphenylene sulfide adhesive joint development. International Journal of Adhesion and Adhesives, 2000, 20, 273-277.	2.9	25
194	Piezoelectric and piezoresistive behavior of unmodified carbon fiber. Carbon, 2019, 145, 452-461.	10.3	25
195	Intercalate vaporization during the exfoliation of graphite intercalated with bromine. Carbon, 1987, 25, 361-365.	10.3	24
196	Effects of temperature and stress on the interface between concrete and its carbon fiber epoxy-matrix composite retrofit, studied by electrical resistance measurement. Cement and Concrete Research, 2000, 30, 799-802.	11.0	24
197	Through-thickness thermoelectric power of a carbon fiber/epoxy composite and decoupled contributions from a lamina and an interlaminar interface. Carbon, 2013, 52, 30-39.	10.3	24
198	Electromechanical, self-sensing and viscoelastic behavior of carbon fiber tows. Carbon, 2016, 110, 8-16.	10.3	24

#	ARTICLE	IF	CITATIONS
199	Bromination of graphitic pitch-based carbon fibers. Carbon, 1990, 28, 831-837.	10.3	23
200	An electromechanical study of the transverse behavior of carbon fiber polymer-matrix composite. Composite Interfaces, 1997, 5, 191-199.	2.3	23
201	Improving brick-to-mortar bond strength by the addition of carbon fibers to the mortar. Cement and Concrete Research, 1997, 27, 1829-1839.	11.0	23
202	Residual stress in carbon fiber embedded in epoxy, studied by simultaneous measurement of applied stress and electrical resistance. Composite Interfaces, 1997, 5, 277-281.	2.3	22
203	Thermal stress-induced thermoplastic composite debonding, studied by contact electrical resistance measurement. International Journal of Adhesion and Adhesives, 2000, 20, 135-139.	2.9	22
204	Defect dynamics and damage of concrete under repeated compression, studied by electrical resistance measurement. Cement and Concrete Research, 2001, 31, 1639-1642.	11.0	22
205	Role of moisture in the Seebeck effect in cement-based materials. Cement and Concrete Research, 2005, 35, 810-812.	11.0	22
206	Performance of Isotropic and Anisotropic Heat Spreaders. Journal of Electronic Materials, 2012, 41, 2580-2587.	2.2	22
207	Capacitance-based stress self-sensing in cement paste without requiring any admixture. Cement and Concrete Composites, 2018, 94, 255-263.	10.7	22
208	Role of grain boundaries in the dielectric behavior of graphite. Carbon, 2021, 173, 1003-1019.	10.3	22
209	Kinetics of intercalation and desorption in graphite. Synthetic Metals, 1980, 2, 57-84.	3.9	21
210	Inhibition of the oxidation of carbon-carbon composites by bromination. Carbon, 1990, 28, 815-824.	10.3	21
211	Degree of dispersion of latex particles in cement paste, as assessed by electrical resistivity measurement. Cement and Concrete Research, 1996, 26, 985-991.	11.0	21
212	Preparation of conductive carbons with high surface area. Carbon, 2001, 39, 39-44.	10.3	21
213	Effect of strain rate on cement mortar under compression, studied by electrical resistivity measurement. Cement and Concrete Research, 2002, 32, 817-819.	11.0	21
214	Antioxidant-Based Phase-Change Thermal Interface Materials with High Thermal Stability. Journal of Electronic Materials, 2008, 37, 448-461.	2.2	21
215	Decreasing the electric permittivity of cement by graphite particle incorporation. Carbon, 2017, 122, 702-709.	10.3	21
216	Dynamics of the electric polarization and depolarization of graphite. Carbon, 2021, 172, 83-95.	10.3	21

#	ARTICLE	IF	CITATIONS
217	Kinetics and thermodynamics of intercalation of bromine in graphiteâ€"I. Experimental. Carbon, 1987, 25, 191-210.	10.3	20
218	Kinetics of intercalate desorption from carbon fibers intercalated with bromine. Carbon, 1990, 28, 825-830.	10.3	20
219	Thermal history of carbon-fiber polymer-matrix composite, evaluated by electrical resistance measurement. Thermochimica Acta, 2001, 369, 87-93.	2.7	20
220	Strengthening and stiffening carbon fiber epoxy composites by halloysite nanotubes, carbon nanotubes and silicon carbide whiskers. Applied Clay Science, 2013, 83-84, 375-382.	5.2	20
221	Electric poling of carbon fiber with and without nickel coating. Carbon, 2020, 162, 25-35.	10.3	20
222	Dielectric behavior of graphite, with assimilation of the AC permittivity, DC polarization and DC electret. Carbon, 2021, 181, 246-259.	10.3	20
223	Carbon fiber polymer-matrix composite interfaces as thermocouple junctions. Composite Interfaces, 1998, 6, 519-529.	2.3	19
224	Flexible graphite as a compliant thermoelectric material. Carbon, 2002, 40, 1134-1136.	10.3	19
225	Hygrothermal Stability of Electrical Contacts Made from Silver and Graphite Electrically Conductive Pastes. Journal of Electronic Materials, 2007, 36, 65-74.	2.2	19
226	Understanding the increase of the electric permittivity of cement caused by latex addition. Composites Part B: Engineering, 2018, 134, 177-185.	12.0	19
227	Piezoresistivity and piezoelectricity discovered in aluminum, with relevance to structural self-sensing. Sensors and Actuators A: Physical, 2019, 289, 144-156.	4.1	19
228	Magnetoreflection study of graphite intercalated with bromine. Solid State Communications, 1976, 19, 227-230.	1.9	18
229	Gold on GaAs: Its crystallographic orientation and control on the orientation of the Au-Ga reaction product. Thin Solid Films, 1985, 128, 299-319.	1.8	18
230	Composites for Electronic Packaging and Thermal Management. , 2000, , 701-725.		18
231	Thermal Fatigue in Carbon Fibre Polymer-Matrix Composites, Monitored in Real Time by Electrical Resistance Measurements. Polymers and Polymer Composites, 2001, 9, 135-140.	1.9	18
232	Degradation of the bond between concrete and steel under cyclic shear loading, monitored by contact electrical resistance measurement. Cement and Concrete Research, 2001, 31, 669-671.	11.0	18
233	Controlling and increasing the inherent voltage in cement paste. Advances in Cement Research, 2009, 21, 31-37.	1.6	18
234	Mechanical energy dissipation modeling of exfoliated graphite based on interfacial friction theory. Carbon, 2016, 108, 291-302.	10.3	18

#	ARTICLE	IF	CITATIONS
235	Improving Silica Fume for Concrete by Surface Treatment 11Communicated by D.M. Roy.. Cement and Concrete Research, 1998, 28, 493-498.	11.0	17
236	A comparative study of carbons for use as an electrically conducting additive in the manganese dioxide cathode of an electrochemical cell. Carbon, 2002, 40, 447-449.	10.3	17
237	Significant effect of sorbed water on the electrical and dielectric behavior of graphite oxide. Carbon, 2017, 119, 403-418.	10.3	17
238	Electret behavior of unpoled carbon fiber with and without nickel coating. Carbon, 2020, 159, 122-132.	10.3	17
239	Graphite ribbons formed from graphite fibers. Carbon, 1984, 22, 613-614.	10.3	16
240	Phase transitions in gold contacts to GaAs. Thin Solid Films, 1985, 128, 321-332.	1.8	16
241	In situ X-ray diffraction study of the effects of germanium and nickel concentrations on melting in gold-based contacts to gallium arsenide. Thin Solid Films, 1987, 147, 177-192.	1.8	16
242	Effect of chemisorbed oxygen on the electrochemical behavior of graphite fibers. Carbon, 1994, 32, 1499-1505.	10.3	16
243	Effect of polymer addition on the thermal stability and thermal expansion of cement. Cement and Concrete Research, 1995, 25, 465-469.	11.0	16
244	Evaluation of the interfacial shear in a discontinuous carbon fiber/mortar matrix composite. Cement and Concrete Research, 1997, 27, 437-451.	11.0	16
245	Concrete-concrete pressure contacts under dynamic loading, studied by contact electrical resistance measurement. Cement and Concrete Research, 2000, 30, 323-326.	11.0	16
246	Epoxy-based carbon films with high electrical conductivity attached to an alumina substrate. Carbon, 2008, 46, 1798-1801.	10.3	16
247	Effect of stress on the capacitance and electric permittivity of three-dimensionally printed polymer, with relevance to capacitance-based stress monitoring. Sensors and Actuators A: Physical, 2017, 263, 380-385.	4.1	16
248	Sensing the stress in steel by capacitance measurement. Sensors and Actuators A: Physical, 2018, 274, 244-251.	4.1	16
249	Decrease of the Bond Strength between Steel Rebar and Concrete with Increasing Curing Age 11Communicated by D.M. Roy.. Cement and Concrete Research, 1998, 28, 167-169.	11.0	15
250	Effect of the pitch-based carbon anode on the capacity loss of lithium-ion secondary battery. Carbon, 2003, 41, 945-950.	10.3	15
251	In situ X-ray diffraction study of melting in gold contacts to gallium arsenide. Solid-State Electronics, 1984, 27, 339-345.	1.4	14
252	Effect of exfoliation on the electrical resistivity of intercalated graphite. Synthetic Metals, 1985, 12, 533-538.	3.9	14

#	ARTICLE	IF	CITATIONS
253	Structure of brominated thornel P-100 carbon fibers. Carbon, 1989, 27, 603-609.	10.3	14
254	Improving the bond strength between steel rebar and concrete by ozone treatment of rebar and polymer addition to concrete. Cement and Concrete Research, 1997, 27, 643-648.	11.0	14
255	Electrical resistivity of submicron-diameter carbon-filament compacts. Carbon, 2001, 39, 1717-1722.	10.3	14
256	Microstructural effect of the shrinkage of cement-based materials during hydration, as indicated by electrical resistivity measurement. Cement and Concrete Research, 2004, 34, 1893-1897.	11.0	14
257	Elastomeric behavior of exfoliated graphite, as shown by instrumented indentation testing. Carbon, 2015, 81, 505-513.	10.3	14
258	First observation of the effect of the layer printing sequence on the molecular structure of three-dimensionally printed polymer, as shown by in-plane capacitance measurement. Composites Part B: Engineering, 2018, 140, 78-82.	12.0	14
259	Piezopermittivity for capacitance-based strain/stress sensing. Sensors and Actuators A: Physical, 2021, 332, 113028.	4.1	14
260	Electron diffraction evidence of domain twinning in graphite-bromine single crystals. Materials Research Bulletin, 1983, 18, 727-733.	5.2	13
261	X-ray diffraction (pole figure) study of the epitaxy of gold thin films on GaAs. Thin Solid Films, 1983, 104, 109-131.	1.8	13
262	Structural effects of heating gold-based contacts to gallium phosphide. Solid-State Electronics, 1984, 27, 137-146.	1.4	13
263	Effect of heating on the structure of Au/GaAs encapsulated with SiO2. Solid-State Electronics, 1987, 30, 1259-1266.	1.4	13
264	Carbon fibers brominated by electrochemical intercalation. Carbon, 1990, 28, 521-528.	10.3	13
265	Minor damage of cement mortar during cyclic compression, monitored by electrical resistivity measurement. Cement and Concrete Research, 2001, 31, 1519-1521.	11.0	13
266	Electrically Nonconductive Thermal Pastes with Carbon as the Thermally Conductive Component. Journal of Electronic Materials, 2007, 36, 659-668.	2.2	13
267	Sound absorption enhancement using solidâ€"solid interfaces in a non-porous cement-based structural material. Composites Part B: Engineering, 2016, 95, 453-461.	12.0	13
268	Pyropermittivity and pyroelectret behavior of graphite. Carbon, 2021, 174, 357-367.	10.3	13
269	Improving the bond strength between steel rebar and concrete by oxidation treatments of the rebar. Cement and Concrete Research, 1996, 26, 1499-1503.	11.0	12
270	Defect dynamics of cement paste under repeated compression studied by electrical resistivity measurement. Cement and Concrete Research, 2001, 31, 1515-1518.	11.0	12

#	ARTICLE	IF	CITATIONS
271	A review of the colossal permittivity of electronic conductors, specifically metals and carbons. Materials Research Bulletin, 2022, 148, 111654.	5.2	12
272	A kinetic model of the first intercalation of graphite. Carbon, 1980, 18, 303-311.	10.3	11
273	Superlattice ordering in graphite-IC1 single crystals and fibers. Carbon, 1984, 22, 325-333.	10.3	11
274	Effect of bromination on the oxidation resistance of pitch-based carbon fibers. Carbon, 1989, 27, 227-231.	10.3	11
275	Effect of Rust on the Wettability of Steel by Water 11Communicated by D.M. Roy.. Cement and Concrete Research, 1998, 28, 477-480.	11.0	11
276	Sensitivity of the bond strength to the structure of the interface between reinforcement and cement, and the variability of this structure. Cement and Concrete Research, 1998, 28, 787-793.	11.0	11
277	Discussion on paper â€˜The electrical resistance response of continuous carbon fibre composite laminates to mechanical strainâ€™ by N. Angelidis, C.Y. Wei and P.E. Irving, Composites: Part A 35, 1135â€“1147 (2004). Composites Part A: Applied Science and Manufacturing, 2006, 37, 1490-1494.	7.6	11
278	A ceramicâ€“carbon hybrid as a high-temperature structural monolith and reinforcing filler and binder for carbon/carbon composites. Carbon, 2013, 59, 76-92.	10.3	11
279	Radio-frequency linear absorption coefficient of carbon materials, its dependence on the thickness and its independence on the carbon structure. Carbon, 2017, 124, 473-478.	10.3	11
280	Piezoelectret-based and piezoresistivity-based stress self-sensing in steel beams under flexure. Sensors and Actuators A: Physical, 2020, 301, 111780.	4.1	11
281	Deviceless cement-based structures as energy sources that enable structural self-powering. Applied Energy, 2020, 280, 115916.	10.1	11
282	Capacitance-based stress self-sensing effectiveness of a model asphalt without functional component. Construction and Building Materials, 2021, 294, 123591.	7.2	11
283	Factors that govern the electric permittivity of carbon materials in the graphite allotrope family. Carbon, 2021, 184, 245-252.	10.3	11
284	Synchrotron X-ray diffraction study of the room temperature incommensurate phase in graphite-bromine intercalation compound. Journal De Physique (Paris), Lettres, 1983, 44, 761-769.	2.8	11
285	High-strength high-surface-area porous carbon made from submicron-diameter carbon filaments. Carbon, 1996, 34, 811-814.	10.3	10
286	Electrochemical behavior of hairy carbons. Carbon, 1997, 35, 1439-1455.	10.3	10
287	Improving the bond strength between steel rebar and concrete by increasing the watercement ratio. Cement and Concrete Research, 1997, 27, 1805-1809.	11.0	10
288	Kinetics of autohesion of thermoplastic carbon-fiber prepregs. International Journal of Adhesion and Adhesives, 2000, 20, 173-175.	2.9	10

#	Article	IF	Citations
289	Capacitance-based nondestructive detection of aggregate proportion variation in a cement-based slab. Composites Part B: Engineering, 2018, 134, 18-27.	12.0	10
290	Surface profilometric study of the kinetics of the intercalation of graphite. Carbon, 1980, 18, 313-318.	10.3	9
291	Electromechanical behavior of graphite intercalated with bromine. Carbon, 1986, 24, 639-647.	10.3	9
292	A three-dimensionally interconnected metal-spring network in a silicone matrix as a resilient and electrically conducting composite material. Composites, 1992, 23, 355-363.	0.7	9
293	Combined Use of Silica Fume and Methylcellulose as Admixtures in Concrete for Increasing the Bond Strength between Concrete and Steel Rebar 11Communicated by D.M. Roy.. Cement and Concrete Research, 1998, 28, 487-492.	11.0	9
294	Electrical behavior of cement-based junctions including the pn-junction. Cement and Concrete Research, 2001, 31, 129-133.	11.0	9
295	Strong viscous behavior discovered in nanotube mats, as observed in boron nitride nanotube mats. Composites Part B: Engineering, 2016, 91, 56-64.	12.0	9
296	Thermoelectric polymer-matrix structural and nonstructural composite materials. Advanced Industrial and Engineering Polymer Research, 2018, 1, 61-65.	4.7	9
297	Enhancing the electromagnetic interference shielding effectiveness of carbon-fiber reinforced cement paste by coating the carbon fiber with nickel. Journal of Building Engineering, 2021, 41, 102757.	3.4	9
298	Magneto-optical studies of graphite intercalation compounds. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1977, 89, 131-138.	0.9	8
299	Thermal gravimetric analysis of graphite-bromine compounds. Materials Science and Engineering, 1980, 44, 129-137.	0.1	8
300	Carbon fibre composites with improved fatigue resistance due to the addition of tin-lead alloy particles. Composites, 1990, 21, 419-424.	0.7	8
301	Interlaminar shear in carbon fiber polymer-matrix composites, studied by measuring the contact electrical resistance of the interlaminar interface during shear. Composite Interfaces, 1998, 6, 507-517.	2.3	8
302	Three-dimensional microstructuring of carbon by thermoplastic spacer evaporation during pyrolysis. Carbon, 2008, 46, 1765-1772.	10.3	8
303	Effects of cold work, stress and temperature on the dielectric behavior of copper. Materials Chemistry and Physics, 2021, 270, 124793.	4.0	8
304	Capacitance-based stress self-sensing in asphalt without electrically conductive constituents, with relevance to smart pavements. Sensors and Actuators A: Physical, 2022, 342, 113625.	4.1	8
305	Effect of intercalate desorption on the two- dimensional structure of graphite-bromine. Synthetic Metals, 1983, 7, 283-288.	3.9	7
306	Defect dynamics of cement mortar under repeated loading, studied by electrical resistivity measurement. Cement and Concrete Research, 2002, 32, 379-385.	11.0	7

#	ARTICLE	IF	CITATIONS
307	Thermomechanical properties of alumina fiber membrane. Ceramics International, 2005, 31, 453-460.	4.8	7
308	First report of fumed alumina incorporation in carbonâ€“carbon composite and the consequent improvement of the oxidation resistance and mechanical properties. Carbon, 2016, 101, 281-289.	10.3	7
309	Kinetics and thermodynamics of intercalation of bromine in graphiteâ€"II. Theory. Carbon, 1987, 25, 211-218.	10.3	6
310	Interface between steel rebar and concrete, studied by electromechanical pull-out testing. Composite Interfaces, 1998, 6, 81-92.	2.3	6
311	Deformation adjustment of concrete beams laminated with carbon fiber mats. Construction and Building Materials, 2007, 21, 621-625.	7.2	6
312	Silver Particle Carbon-Matrix Composites as Thick Films for Electrical Applications. Journal of Electronic Materials, 2007, 36, 1188-1192.	2.2	6
313	Interface-derived solid-state viscoelasticity exhibited by nanostructured and microstructured materials containing carbons or ceramics. Carbon, 2019, 144, 567-581.	10.3	6
314	Improving the Flexural Modulus and Thermal Stability of Pitch by the Addition of Silica Fume. Journal of Reinforced Plastics and Composites, 2002, 21, 91-95.	3.1	6
315	Electromagnetic skin depth of cement paste and its thickness dependence. Journal of Building Engineering, 2022, 52, 104393.	3.4	6
316	Intercalate displacement and exchange in graphite. Synthetic Metals, 1983, 7, 107-115.	3.9	4
317	Laboratory simulation of capacitance-based layer-by-layer monitoring of three-dimensional printing. Sensors and Actuators A: Physical, 2017, 268, 101-109.	4.1	4
318	Calorimetric evidence for two-step melting in graphite-bromine. Carbon, 1985, 23, 459-460.	10.3	3
319	Synchrotron X-ray diffraction study of the incommensurate graphite-bromine compound: Change in the c-axis repeat distance during the incommensurate-commensurate transition. Materials Letters, 1985, 3, 161-164.	2.6	3
320	Searching the evidence for the intercalation of bromine in high-rank coal. Fuel, 1987, 66, 799-802.	6.4	3
321	Carbon Fiber Reinforced Concrete as an Intrinsically Smart Concrete for Damage Assessment During Dynamic Loading. Materials Research Society Symposia Proceedings, 1994, 360, 317.	0.1	3
322	Interface in Mechanically Fastened Steel Joint, Studied by Contact Electrical Resistance Measurement. Journal of Materials Engineering and Performance, 2000, 9, 95-97.	2.5	3
323	Degradation of the bond between old and new mortar under cyclic shear loading, monitored by contact electrical resistance measurement. Cement and Concrete Research, 2001, 31, 1647-1651.	11.0	3
324	Graphite Intercalation Compounds. , 2016, , .		3

#	Article	IF	Citations
325	Self-sensing structural composites in aerospace engineering. , 2016, , 295-331.		3
326	Carbon black and fumed alumina exhibiting high interface-derived mechanical energy dissipation. Carbon, 2016, 103, 436-448.	10.3	3
327	Converse piezoelectric behavior of three-dimensionally printed polymer and comparison of the in-plane and out-of-plane behavior. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 252, 114447.	3.5	3
328	Single Crystal X-Ray Diffraction Study of the Phase Transitions in Graphite-Bromine Intercalation Compounds. Materials Research Society Symposia Proceedings, 1982, 20, 15.	0.1	2
329	Calorimetric study of the rate of the 277K phase transition in graphite-bromine. Carbon, 1984, 22, 102-103.	10.3	2
330	Dependence of the electrical resistance of intercalated graphite fibers on electric power. Carbon, 1986, 24, 443-445.	10.3	2
331	Calorimetric study of the phase transitions in graphite intercalated with iodine monochloride. Materials Letters, 1984, 2, 515-518.	2.6	1
332	Activated Carbon Filaments with Mainly Mesopores. Materials Research Society Symposia Proceedings, 1996, 431, 393.	0.1	1
333	Reversible decrease of the flexural dynamic modulus of cement pastes upon heating. Cement and Concrete Research, 1997, 27, 839-844.	11.0	1
334	Reply to discussion by Peter J. Tumidajski of the paper â€œColloidal graphite as an admixture in cement and as a coating on cement for electromagnetic interference shieldingâ€• Cement and Concrete Research, 2005, 35, 616-617.	11.0	1
335	Viscoelastic Behavior of Silica Fume in Absence of Binder. ACI Materials Journal, 2015, 112, .	0.2	1
336	Characterizing the Dispersion of Constituents in Concrete by Electrical Resistivity. Materials Research Society Symposia Proceedings, 1997, 500, 303.	0.1	0
337	Electromechanical Study of Carbon Fiber Composites. Materials Research Society Symposia Proceedings, 1997, 500, 43.	0.1	0
338	Optomechanical actuation using intercalated graphite. Carbon, 1997, 35, 709-711.	10.3	0
339	Spatial distribution of mechanical and electrical properties of cement mortar prior to loading. Cement and Concrete Research, 1998, 28, 1373-1378.	11.0	0
340	Thermoelectric structural composites and thermocouples using them. Materials Research Society Symposia Proceedings, 2001, 691, 1.	0.1	0
341	Composites of Carbon Filaments Made from Methane. Materials Research Society Symposia Proceedings, 2001, 702, 1.	0.1	0
342	Adhesion and Interfaces Involving Polymers, Studied by Electrical Resistance Measurement. Materials Research Society Symposia Proceedings, 2001, 710, 1.	0.1	0

#	Article	IF	Citations
343	Comment on â€œCement based electromagnetic shielding and absorbing building materialsâ€•by Guan et al.. Cement and Concrete Composites, 2008, 30, 152.	10.7	0
344	Self-Sensing Materials. , 2021, , .		0