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	A review of the colossal permittivity of electronic conductors, specifically metals and carbons. Materials Research Bulletin, 2022, 148, 111654.	5.2	12
2	Performance of Thermal Interface Materials. Small, 2022, 18, e2200693.	10.0	54
3	Electromagnetic skin depth of cement paste and its thickness dependence. Journal of Building Engineering, 2022, 52, 104393.	3.4	6
4	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
5	Dynamics of the electric polarization and depolarization of graphite. Carbon, 2021, 172, 83-95.	10.3	21
6	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
7	Role of grain boundaries in the dielectric behavior of graphite. Carbon, 2021, 173, 1003-1019.	10.3	22
8	Pyropermittivity and pyroelectret behavior of graphite. Carbon, 2021, 174, 357-367.	10.3	13
9	Self-Sensing Materials. , 2021, , .		0
10	Capacitance-based stress self-sensing effectiveness of a model asphalt without functional component. Construction and Building Materials, 2021, 294, 123591.	7.2	11
11	Dielectric behavior of graphite, with assimilation of the AC permittivity, DC polarization and DC electret. Carbon, 2021, 181, 246-259.	10.3	20
12	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
13	Effects of cold work, stress and temperature on the dielectric behavior of copper. Materials Chemistry and Physics, 2021, 270, 124793.	4.0	8
14	Factors that govern the electric permittivity of carbon materials in the graphite allotrope family. Carbon, 2021, 184, 245-252.	10.3	11
15	Piezopermittivity for capacitance-based strain/stress sensing. Sensors and Actuators A: Physical, 2021, 332, 113028.	4.1	14
16	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
17	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
18	Piezoelectret-based and piezoresistivity-based stress self-sensing in steel beams under flexure. Sensors and Actuators A: Physical, 2020, 301, 111780.	4.1	11

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19	Electret behavior of unpoled carbon fiber with and without nickel coating. Carbon, 2020, 159, 122-132.	10.3	17
20	Materials for electromagnetic interference shielding. Materials Chemistry and Physics, 2020, 255, 123587.	4.0	220
21	Deviceless cement-based structures as energy sources that enable structural self-powering. Applied Energy, 2020, 280, 115916.	10.1	11
22	Electric poling of carbon fiber with and without nickel coating. Carbon, 2020, 162, 25-35.	10.3	20
23	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
24	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
25	Piezoelectric and piezoresistive behavior of unmodified carbon fiber. Carbon, 2019, 145, 452-461.	10.3	25
26	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
27	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
28	Piezoresistivity and piezoelectricity discovered in aluminum, with relevance to structural self-sensing. Sensors and Actuators A: Physical, 2019, 289, 144-156.	4.1	19
29	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
30	A review of multifunctional polymer-matrix structural composites. Composites Part B: Engineering, 2019, 160, 644-660.	12.0	114
31	Electric permittivity of carbon fiber. Carbon, 2019, 143, 475-480.	10.3	42
32	Interface-derived solid-state viscoelasticity exhibited by nanostructured and microstructured materials containing carbons or ceramics. Carbon, 2019, 144, 567-581.	10.3	6
33	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
34	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
35	Sensing the stress in steel by capacitance measurement. Sensors and Actuators A: Physical, 2018, 274, 244-251.	4.1	16
36	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

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37	Understanding the increase of the electric permittivity of cement caused by latex addition. Composites Part B: Engineering, 2018, 134, 177-185.	12.0	19
38	Effects of printing conditions on the molecular alignment of three-dimensionally printed polymer. Composites Part B: Engineering, 2018, 134, 164-168.	12.0	28
39	Capacitance-based nondestructive detection of aggregate proportion variation in a cement-based slab. Composites Part B: Engineering, 2018, 134, 18-27.	12.0	10
40	Capacitance-based stress self-sensing in cement paste without requiring any admixture. Cement and Concrete Composites, 2018, 94, 255-263.	10.7	22
41	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
42	Development, design and applications of structural capacitors. Applied Energy, 2018, 231, 89-101.	10.1	42
43	Thermoelectric polymer-matrix structural and nonstructural composite materials. Advanced Industrial and Engineering Polymer Research, 2018, 1, 61-65.	4.7	9
44	Processing-structure-property relationships of continuous carbon fiber polymer-matrix composites. Materials Science and Engineering Reports, 2017, 113, 1-29.	31.8	149
45	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
46	Significant effect of sorbed water on the electrical and dielectric behavior of graphite oxide. Carbon, 2017, 119, 403-418.	10.3	17
47	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
48	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
49	Carbon-coated sepiolite clay fibers with acid pre-treatment as low-cost organic adsorbents. Carbon, 2017, 123, 259-272.	10.3	35
50	Decreasing the electric permittivity of cement by graphite particle incorporation. Carbon, 2017, 122, 702-709.	10.3	21
51	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
52	Carbon nanofiber mats for electromagnetic interference shielding. Carbon, 2017, 111, 529-537.	10.3	121
53	Electric permittivity of reduced graphite oxide. Carbon, 2017, 111, 182-190.	10.3	60
54	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

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55	Graphite Intercalation Compounds. , 2016, , .		3
56	Electromechanical, self-sensing and viscoelastic behavior of carbon fiber tows. Carbon, 2016, 110, 8-16.	10.3	24
57	Mechanical energy dissipation modeling of exfoliated graphite based on interfacial friction theory. Carbon, 2016, 108, 291-302.	10.3	18
58	Graphite oxide paper as a polarizable electrical conductor in the through-thickness direction. Carbon, 2016, 109, 874-882.	10.3	38
59	Self-sensing structural composites in aerospace engineering. , 2016, , 295-331.		3
60	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
61	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
62	Carbon black and fumed alumina exhibiting high interface-derived mechanical energy dissipation. Carbon, 2016, 103, 436-448.	10.3	3
63	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
64	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
65	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
66	Elastomeric behavior of exfoliated graphite, as shown by instrumented indentation testing. Carbon, 2015, 81, 505-513.	10.3	14
67	Viscoelastic Behavior of Silica Fume in Absence of Binder. ACI Materials Journal, 2015, 112, .	0.2	1
68	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
69	Interface-derived extraordinary viscous behavior of exfoliated graphite. Carbon, 2014, 68, 646-652.	10.3	34
70	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
71	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
72	Viscoelastic behavior of the cell wall of exfoliated graphite. Carbon, 2013, 61, 305-312.	10.3	36

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73	Comparative evaluation of cement-matrix composites with distributed versus networked exfoliated graphite. Carbon, 2013, 63, 446-453.	10.3	27
74	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
75	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
76	Viscoelastic behavior of carbon black and its relationship with the aggregate size. Carbon, 2013, 60, 346-355.	10.3	26
77	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
78	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
79	Performance of Isotropic and Anisotropic Heat Spreaders. Journal of Electronic Materials, 2012, 41, 2580-2587.	2.2	22
80	Dynamic mechanical behavior of flexible graphite made from exfoliated graphite. Carbon, 2012, 50, 283-289.	10.3	30
81	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. Carbon, 2012, 50, 3342-3353.	10.3	507
82	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
83	Flexible graphite modified by carbon black paste for use as a thermal interface material. Carbon, 2011, 49, 1075-1086.	10.3	38
84	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
85	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
86	Controlling and increasing the inherent voltage in cement paste. Advances in Cement Research, 2009, 21, 31-37.	1.6	18
87	Factors That Govern the Performance of Thermal Interface Materials. Journal of Electronic Materials, 2009, 38, 175-192.	2.2	28
88	Graphite nanoplatelet pastes vs. carbon black pastes as thermal interface materials. Carbon, 2009, 47, 295-305.	10.3	129
89	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
90	Antioxidant-Based Phase-Change Thermal Interface Materials with High Thermal Stability. Journal of Electronic Materials, 2008, 37, 448-461.	2.2	21

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91	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
92	Nanoclay Paste as a Thermal Interface Material for Smooth Surfaces. Journal of Electronic Materials, 2008, 37, 1698-1709.	2.2	33
93	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
94	Epoxy-based carbon films with high electrical conductivity attached to an alumina substrate. Carbon, 2008, 46, 1798-1801.	10.3	16
95	Three-dimensional microstructuring of carbon by thermoplastic spacer evaporation during pyrolysis. Carbon, 2008, 46, 1765-1772.	10.3	8
96	Deformation adjustment of concrete beams laminated with carbon fiber mats. Construction and Building Materials, 2007, 21, 621-625.	7.2	6
97	Double percolation in the electrical conduction in carbon fiber reinforced cement-based materials. Carbon, 2007, 45, 263-267.	10.3	121
98	Partial replacement of carbon fiber by carbon black in multifunctional cementâ€"matrix composites. Carbon, 2007, 45, 505-513.	10.3	162
99	Electrical-resistance-based damage self-sensing in carbon fiber reinforced cement. Carbon, 2007, 45, 710-716.	10.3	103
100	Analytical model of piezoresistivity for strain sensing in carbon fiber polymerâ€"matrix structural composite under flexure. Carbon, 2007, 45, 1606-1613.	10.3	62
101	Effect of carbon black structure on the effectiveness of carbon black thermal interface pastes. Carbon, 2007, 45, 2922-2931.	10.3	45
102	Hygrothermal Stability of Electrical Contacts Made from Silver and Graphite Electrically Conductive Pastes. Journal of Electronic Materials, 2007, 36, 65-74.	2.2	19
103	Electrically Nonconductive Thermal Pastes with Carbon as the Thermally Conductive Component. Journal of Electronic Materials, 2007, 36, 659-668.	2.2	13
104	Silver Particle Carbon-Matrix Composites as Thick Films for Electrical Applications. Journal of Electronic Materials, 2007, 36, 1188-1192.	2.2	6
105	Carbon Nanotube Thermal Pastes for Improving Thermal Contacts. Journal of Electronic Materials, 2007, 36, 1181-1187.	2.2	46
106	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
107	Carbon black pastes as coatings for improving thermal gap-filling materials. Carbon, 2006, 44, 435-440.	10.3	70
108	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

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109	The role of electronic and ionic conduction in the electrical conductivity of carbon fiber reinforced cement. Carbon, 2006, 44, 2130-2138.	10.3	128
110	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
111	Model of piezoresistivity in carbon fiber cement. Cement and Concrete Research, 2006, 36, 1879-1885.	11.0	69
112	Mats and Fabrics for Electromagnetic Interference Shielding. Journal of Materials Engineering and Performance, 2006, 15, 295-298.	2.5	36
113	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
114	Role of moisture in the Seebeck effect in cement-based materials. Cement and Concrete Research, 2005, 35, 810-812.	11.0	22
115	Thermomechanical properties of alumina fiber membrane. Ceramics International, 2005, 31, 453-460.	4.8	7
116	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
117	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
118	Calorimetric study of the effect of carbon fillers on the curing of epoxy. Carbon, 2004, 42, 3039-3042.	10.3	42
119	Electromagnetic interference shielding reaching 70 dB in steel fiber cement. Cement and Concrete Research, 2004, 34, 329-332.	11.0	157
120	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
121	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
122	Use of fly ash as an admixture for electromagnetic interference shielding. Cement and Concrete Research, 2004, 34, 1889-1892.	11.0	78
123	Effects of carbon black on the thermal, mechanical and electrical properties of pitch-matrix composites. Carbon, 2004, 42, 2393-2397.	10.3	59
124	Effect of the pitch-based carbon anode on the capacity loss of lithium-ion secondary battery. Carbon, 2003, 41, 945-950.	10.3	15
125	Thermomechanical behavior of a graphite foam. Carbon, 2003, 41, 1175-1180.	10.3	36
126	Improving colloidal graphite for electromagnetic interference shielding using 0.1 Î¼m diameter carbon filaments. Carbon, 2003, 41, 1313-1315.	10.3	43

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127	Carbon black dispersions as thermal pastes that surpass solder in providing high thermal contact conductance. Carbon, 2003, 41, 2459-2469.	10.3	126
128	Carbon fiber mats as resistive heating elements. Carbon, 2003, 41, 2436-2440.	10.3	36
129	Coke powder as an admixture in cement for electromagnetic interference shielding. Carbon, 2003, 41, 2433-2436.	10.3	64
130	Pyroelectric behavior of cement-based materials. Cement and Concrete Research, 2003, 33, 1675-1679.	11.0	42
131	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
132	Damage in cement-based materials, studied by electrical resistance measurement. Materials Science and Engineering Reports, 2003, 42, 1-40.	31.8	90
133	Structural composite materials tailored for damping. Journal of Alloys and Compounds, 2003, 355, 216-223.	5.5	97
134	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
135	A comparative study of steel- and carbon-fibre cement as piezoresistive strain sensors. Advances in Cement Research, 2003, 15, 119-128.	1.6	143
136	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
137	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
138	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
139	Flexible graphite as a compliant thermoelectric material. Carbon, 2002, 40, 1134-1136.	10.3	19
140	Oxidation protection of carbon materials by acid phosphate impregnation. Carbon, 2002, 40, 1249-1254.	10.3	77
141	Flexible graphite as a heating element. Carbon, 2002, 40, 2285-2289.	10.3	44
142	Thermoelectric behavior of carbonâ€“cement composites. Carbon, 2002, 40, 2495-2497.	10.3	28
143	Piezoelectric cement-based materials with large coupling and voltage coefficients. Cement and Concrete Research, 2002, 32, 335-339.	11.0	42
144	Defect dynamics of cement mortar under repeated loading, studied by electrical resistivity measurement. Cement and Concrete Research, 2002, 32, 379-385.	11.0	7

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145	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
146	Origin of the thermoelectric behavior of steel fiber cement paste. Cement and Concrete Research, 2002, 32, 821-823.	11.0	30
147	Cement-based materials for stress sensing by dielectric measurement. Cement and Concrete Research, 2002, 32, 1429-1433.	11.0	59
148	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
149	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
150	Electrical Conduction Behavior of Cement-Matrix Composites. Journal of Materials Engineering and Performance, 2002, 11, 194-204.	2.5	82
151	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
152	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
153	Vibration Reduction Ability of Polymers, Particularly Polymethylmethacrylate and Polytetrafluoroethylene. Polymers and Polymer Composites, 2001, 9, 423-426.	1.9	36
154	Thermoelectric structural composites and thermocouples using them. Materials Research Society Symposia Proceedings, 2001, 691, 1.	0.1	0
155	Composites of Carbon Filaments Made from Methane. Materials Research Society Symposia Proceedings, 2001, 702, 1.	0.1	0
156	Adhesion and Interfaces Involving Polymers, Studied by Electrical Resistance Measurement. Materials Research Society Symposia Proceedings, 2001, 710, 1.	0.1	0
157	Carbon-fiber/polymer-matrix composites as capacitors. Composites Science and Technology, 2001, 61, 885-888.	7.8	76
158	Calorimetric evaluation of phase change materials for use as thermal interface materials. Thermochimica Acta, 2001, 366, 135-147.	2.7	82
159	Thermal history of carbon-fiber polymer-matrix composite, evaluated by electrical resistance measurement. Thermochimica Acta, 2001, 369, 87-93.	2.7	20
160	Materials for thermal conduction. Applied Thermal Engineering, 2001, 21, 1593-1605.	6.0	356
161	Cement-matrix composites for thermal engineering. Applied Thermal Engineering, 2001, 21, 1607-1619.	6.0	34
162	Preparation of conductive carbons with high surface area. Carbon, 2001, 39, 39-44.	10.3	21

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163	Effect of carbon fiber grade on the electrical behavior of carbon fiber reinforced cement. Carbon, 2001, 39, 369-373.	10.3	44
164	Anodic performance of vapor-derived carbon filaments in lithium-ion secondary battery. Carbon, 2001, 39, 493-496.	10.3	41
165	Electromagnetic interference shielding effectiveness of carbon materials. Carbon, 2001, 39, 279-285.	10.3	1,655
166	Flexible graphite under repeated compression studied by electrical resistance measurements. Carbon, 2001, 39, 985-990.	10.3	35
167	Graphiteâ€"graphite electrical contact under dynamic mechanical loading. Carbon, 2001, 39, 615-618.	10.3	28
168	Electrical resistivity of submicron-diameter carbon-filament compacts. Carbon, 2001, 39, 1717-1722.	10.3	14
169	Comparison of submicron-diameter carbon filaments and conventional carbon fibers as fillers in composite materials. Carbon, 2001, 39, 1119-1125.	10.3	156
170	Silane-treated carbon fiber for reinforcing cement. Carbon, 2001, 39, 1995-2001.	10.3	57
171	Electrical behavior of cement-based junctions including the pn-junction. Cement and Concrete Research, 2001, 31, 129-133.	11.0	9
172	Electric polarization in carbon fiber-reinforced cement. Cement and Concrete Research, 2001, 31, 141-147.	11.0	126
173	Cement-based thermocouples. Cement and Concrete Research, 2001, 31, 507-510.	11.0	36
174	Effect of stress on the electric polarization in cement. Cement and Concrete Research, 2001, 31, 291-295.	11.0	46
175	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
176	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
177	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
178	Carbon fiber-reinforced cement as a strain-sensing coating. Cement and Concrete Research, 2001, 31, 665-667.	11.0	102
179	Effect of admixtures on the dielectric constant of cement paste. Cement and Concrete Research, 2001, 31, 673-677.	11.0	58
180	Minor damage of cement mortar during cyclic compression, monitored by electrical resistivity measurement. Cement and Concrete Research, 2001, 31, 1519-1521.	11.0	13

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181	Carbon fiber reinforced cement mortar improved by using acrylic dispersion as an admixture. Cement and Concrete Research, 2001, 31, 1633-1637.	11.0	61
182	Defect dynamics of cement paste under repeated compression studied by electrical resistivity measurement. Cement and Concrete Research, 2001, 31, 1515-1518.	11.0	12
183	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
184	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
185	Thermal Interface Materials. Journal of Materials Engineering and Performance, 2001, 10, 56-59.	2.5	198
186	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
187	Vibration damping using flexible graphite. Carbon, 2000, 38, 1510-1512.	10.3	53
188	Damage in carbon fiber-reinforced concrete, monitored by electrical resistance measurement. Cement and Concrete Research, 2000, 30, 651-659.	11.0	122
189	Seebeck effect in steel fiber reinforced cement. Cement and Concrete Research, 2000, 30, 661-664.	11.0	71
190	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
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