

# Ddl Chung

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

341  
papers

14,632  
citations

64  
h-index

103  
g-index

349  
ext. papers

16,487  
ext. citations

8.4  
avg, IF

7.49  
L-index

#	Paper	IF	Citations
341	Electromagnetic interference shielding effectiveness of carbon materials. <i>Carbon</i> , <b>2001</b> , 39, 279-285	4.2	1432
340	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. <i>Carbon</i> , <b>2012</b> , 50, 3342-3353	4.2	436
339	Materials for electromagnetic interference shielding. <i>Journal of Materials Engineering and Performance</i> , <b>2000</b> , 9, 350-354	0.7	385
338	Materials for thermal conduction. <i>Applied Thermal Engineering</i> , <b>2001</b> , 21, 1593-1605	2.6	294
337	Electromagnetic interference shielding using continuous carbon-fiber carbon-matrix and polymer-matrix composites. <i>Composites Part B: Engineering</i> , <b>1999</b> , 30, 227-231	4.9	288
336	Cement reinforced with short carbon fibers: a multifunctional material. <i>Composites Part B: Engineering</i> , <b>2000</b> , 31, 511-526	4.9	235
335	Increasing the electromagnetic interference shielding effectiveness of carbon fiber polymer matrix composite by using activated carbon fibers. <i>Carbon</i> , <b>2002</b> , 40, 445-447	4.2	180
334	Ozone treatment of carbon fiber for reinforcing cement. <i>Carbon</i> , <b>1998</b> , 36, 1337-1345	4.2	170
333	Self-monitoring structural materials. <i>Materials Science and Engineering Reports</i> , <b>1998</b> , 22, 57-78	10.1	158
332	Concrete as a new strain/stress sensor. <i>Composites Part B: Engineering</i> , <b>1996</b> , 27, 11-23	4.9	151
331	Thermal interface materials. <i>Journal of Materials Engineering and Performance</i> , <b>2001</b> , 10, 56-59	0.7	147
330	Self-sensing of flexural strain and damage in carbon fiber polymer-matrix composite by electrical resistance measurement. <i>Carbon</i> , <b>2006</b> , 44, 2739-2751	4.2	138
329	Comparison of submicron-diameter carbon filaments and conventional carbon fibers as fillers in composite materials. <i>Carbon</i> , <b>2001</b> , 39, 1119-1125	4.2	133
328	Electromagnetic interference shielding reaching 70 dB in steel fiber cement. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 329-332	5.3	130
327	Partial replacement of carbon fiber by carbon black in multifunctional cement matrix composites. <i>Carbon</i> , <b>2007</b> , 45, 505-513	4.2	128
326	Self-monitoring of fatigue damage in carbon fiber reinforced cement. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 15-20	5.3	126
325	Carbon fiber-reinforced concrete for traffic monitoring and weighing in motion. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 435-439	5.3	122

324	A comparative study of steel- and carbon-fibre cement as piezoresistive strain sensors. <i>Advances in Cement Research</i> , <b>2003</b> , 15, 119-128	0.8	118
323	Concrete reinforced with up to 0.2 vol% of short carbon fibres. <i>Composites</i> , <b>1993</b> , 24, 33-52		114
322	Carbon black dispersions as thermal pastes that surpass solder in providing high thermal contact conductance. <i>Carbon</i> , <b>2003</b> , 41, 2459-2469	4.2	111
321	Graphite nanoplatelet pastes vs. carbon black pastes as thermal interface materials. <i>Carbon</i> , <b>2009</b> , 47, 295-305	4.2	108
320	Effect of sand addition on the specific heat and thermal conductivity of cement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 59-61	5.3	106
319	Electromagnetic interference shielding reaching 130 dB using flexible graphite. <i>Carbon</i> , <b>1996</b> , 34, 1293-1294	4.2	106
318	Electrical and mechanical properties of electrically conductive polyethersulfone composites. <i>Composites</i> , <b>1994</b> , 25, 215-224		106
317	Processing-structure-property relationships of continuous carbon fiber polymer-matrix composites. <i>Materials Science and Engineering Reports</i> , <b>2017</b> , 113, 1-29	10.1	105
316	Electric polarization and depolarization in cement-based materials, studied by apparent electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 481-485	5.3	104
315	Damage in carbon fiber-reinforced concrete, monitored by electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 651-659	5.3	95
314	Carbon nanofiber mats for electromagnetic interference shielding. <i>Carbon</i> , <b>2017</b> , 111, 529-537	4.2	94
313	Electric polarization in carbon fiber-reinforced cement. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 141-147	5.3	93
312	Improving the bond strength between carbon fiber and cement by fiber surface treatment and polymer addition to cement mix. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 1007-1012	5.3	93
311	Effects of silica fume, latex, methylcellulose, and carbon fibers on the thermal conductivity and specific heat of cement paste. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 1799-1804	5.3	92
310	Double percolation in the electrical conduction in carbon fiber reinforced cement-based materials. <i>Carbon</i> , <b>2007</b> , 45, 263-267	4.2	92
309	Electromagnetic interference shielding by carbon fibre reinforced cement. <i>Composites</i> , <b>1989</b> , 20, 379-381		92
308	The role of electronic and ionic conduction in the electrical conductivity of carbon fiber reinforced cement. <i>Carbon</i> , <b>2006</b> , 44, 2130-2138	4.2	88
307	Seebeck effect in carbon fiber-reinforced cement. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 1989-1993	5.3	88

306	Colloidal graphite as an admixture in cement and as a coating on cement for electromagnetic interference shielding. <i>Cement and Concrete Research</i> , <b>2003</b> , 33, 1737-1740	5.3	86
305	Effect of corrosion on the bond between concrete and steel rebar. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 1811-1815	5.3	85
304	Structural composite materials tailored for damping. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 355, 216-223	4	83
303	Increasing the through-thickness thermal conductivity of carbon fiber polymer matrix composite by curing pressure increase and filler incorporation. <i>Composites Science and Technology</i> , <b>2011</b> , 71, 1944-1952	3.4	82
302	Self-sensing of flexural damage and strain in carbon fiber reinforced cement and effect of embedded steel reinforcing bars. <i>Carbon</i> , <b>2006</b> , 44, 1496-1502	4.2	82
301	Flexible graphite for gasketing, adsorption, electromagnetic interference shielding, vibration damping, electrochemical applications, and stress sensing. <i>Journal of Materials Engineering and Performance</i> , <b>2000</b> , 9, 161-163	0.7	82
300	Impact damage of carbon fiber polymer matrix composites, studied by electrical resistance measurement. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2005</b> , 36, 1707-1715	3.2	81
299	Submicron carbon filament cement-matrix composites for electromagnetic interference shielding. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 1467-1472	5.3	81
298	Lattice vibrations in graphite and intercalation compounds of graphite. <i>Materials Science and Engineering</i> , <b>1977</b> , 31, 141-152		81
297	A review of multifunctional polymer-matrix structural composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 160, 644-660	4.9	81
296	Self-monitoring of fatigue damage and dynamic strain in carbon fiber polymer-matrix composite. <i>Composites Part B: Engineering</i> , <b>1998</b> , 29, 63-73	4.9	80
295	Carbon fiber-reinforced cement as a strain-sensing coating. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 665-667	5.3	79
294	Materials for electromagnetic interference shielding. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 255, 123587	1.8	79
293	Electrical-resistance-based damage self-sensing in carbon fiber reinforced cement. <i>Carbon</i> , <b>2007</b> , 45, 710-716	4.2	78
292	Raman scattering in graphite intercalation compounds. <i>Solid State Communications</i> , <b>1976</b> , 20, 1111-1115	0.6	77
291	Effect of curing age on the self-monitoring behavior of carbon fiber reinforced mortar. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 1313-1318	5.3	76
290	Carbon fiber-reinforced cement as a thermistor. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 961-965	5.3	76
289	Self-monitoring in carbon fiber reinforced mortar by reactance measurement. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 845-852	5.3	75

288	Calorimetric evaluation of phase change materials for use as thermal interface materials. <i>Thermochimica Acta</i> , <b>2001</b> , 366, 135-147	1.3	75
287	Carbon fiber reinforced cement improved by using silane-treated carbon fibers. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 773-776	5.3	75
286	Enhancing the thermal conductivity and compressive modulus of carbon fiber polymer matrix composites in the through-thickness direction by nanostructuring the interlaminar interface with carbon black. <i>Carbon</i> , <b>2008</b> , 46, 1060-1071	4.2	73
285	Electrical conduction behavior of cement-matrix composites. <i>Journal of Materials Engineering and Performance</i> , <b>2002</b> , 11, 194-204	0.7	71
284	Exfoliation of intercalated graphite. <i>Carbon</i> , <b>1984</b> , 22, 253-263	4.2	70
283	Damage in cement-based materials, studied by electrical resistance measurement. <i>Materials Science and Engineering Reports</i> , <b>2003</b> , 42, 1-40	10.1	68
282	Uniaxial tension in carbon fiber reinforced cement, sensed by electrical resistivity measurement in longitudinal and transverse directions. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 1289-1294	5.3	68
281	Submicron-diameter-carbon-filament cement-matrix composites. <i>Carbon</i> , <b>1998</b> , 36, 459-462	4.2	65
280	Improving the Strain-Sensing Ability of Carbon Fiber-Reinforced Cement by Ozone Treatment of the Fibers 11 Communicated by D.M. Roy.. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 183-187	5.3	65
279	Cement of high specific heat and high thermal conductivity, obtained by using silane and silica fume as admixtures. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 1175-1178	5.3	65
278	Improving silica fume cement by using silane. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 1305-1311	5.3	64
277	Carbon black pastes as coatings for improving thermal gap-filling materials. <i>Carbon</i> , <b>2006</b> , 44, 435-440	4.2	63
276	Vibration damping admixtures for cement. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 69-75	5.3	63
275	Oxidation protection of carbon materials by acid phosphate impregnation. <i>Carbon</i> , <b>2002</b> , 40, 1249-1254	4.2	62
274	Use of fly ash as an admixture for electromagnetic interference shielding. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 1889-1892	5.3	61
273	Carbon-fiber/polymer-matrix composites as capacitors. <i>Composites Science and Technology</i> , <b>2001</b> , 61, 885-888	3.4	61
272	Uniaxial compression in carbon fiber-reinforced cement, sensed by electrical resistivity measurement in longitudinal and transverse directions. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 297-301	5.3	60
271	Effect of admixtures in concrete on the corrosion resistance of steel reinforced concrete. <i>Corrosion Science</i> , <b>2000</b> , 42, 1489-1507	3	58

270	Piezoresistivity in continuous carbon fiber cement-matrix composite. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 445-449	5-3	58
269	Electrical-resistance-based Sensing of Impact Damage in Carbon Fiber Reinforced Cement-based Materials. <i>Journal of Intelligent Material Systems and Structures</i> , <b>2010</b> , 21, 83-105	1	57
268	Enhancing the Seebeck effect in carbon fiber-reinforced cement by using intercalated carbon fibers. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 1295-1298	5-3	57
267	Low-drying-shrinkage concrete containing carbon fibers. <i>Composites Part B: Engineering</i> , <b>1996</b> , 27, 269-274	4	57
266	Mesoporous activated carbon filaments. <i>Carbon</i> , <b>1997</b> , 35, 427-430	4-2	56
265	Damage evolution during freeze-thaw cycling of cement mortar, studied by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 1657-1661	5-3	56
264	Model of piezoresistivity in carbon fiber cement. <i>Cement and Concrete Research</i> , <b>2006</b> , 36, 1879-1885	5-3	54
263	Coke powder as an admixture in cement for electromagnetic interference shielding. <i>Carbon</i> , <b>2003</b> , 41, 2433-2436	4-2	53
262	Carbon fiber reinforced cement mortar improved by using acrylic dispersion as an admixture. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 1633-1637	5-3	53
261	Carbon filaments and carbon black as a conductive additive to the manganese dioxide cathode of a lithium electrolytic cell. <i>Journal of Power Sources</i> , <b>1996</b> , 58, 41-54	3-3	53
260	Analytical model of piezoresistivity for strain sensing in carbon fiber polymer-matrix structural composite under flexure. <i>Carbon</i> , <b>2007</b> , 45, 1606-1613	4-2	52
259	Improving the bonding between old and new concrete by adding carbon fibers to the new concrete. <i>Cement and Concrete Research</i> , <b>1995</b> , 25, 491-496	5-3	52
258	Electrically conducting powder filled polyimidesiloxane. <i>Composites</i> , <b>1991</b> , 22, 211-218		50
257	Effects of carbon black on the thermal, mechanical and electrical properties of pitch-matrix composites. <i>Carbon</i> , <b>2004</b> , 42, 2393-2397	4-2	49
256	Contact electrical resistivity between cement and carbon fiber: Its decrease with increasing bond strength and its increase during fiber pull-out. <i>Cement and Concrete Research</i> , <b>1995</b> , 25, 1391-1396	5-3	49
255	Through-thickness piezoresistivity in a carbon fiber polymer-matrix structural composite for electrical-resistance-based through-thickness strain sensing. <i>Carbon</i> , <b>2013</b> , 60, 129-138	4-2	47
254	Seebeck effect in steel fiber reinforced cement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 661-664	5-3	47
253	Carbon black dispersions and carbon-silver combinations as thermal pastes that surpass commercial silver and ceramic pastes in providing high thermal contact conductance. <i>Carbon</i> , <b>2004</b> , 42, 2323-2327	4-2	46

252	Silane-treated carbon fiber for reinforcing cement. <i>Carbon</i> , <b>2001</b> , 39, 1995-2001	4.2	46
251	Damage monitoring of cement paste by electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 1979-1982	5.3	46
250	Use of submicron diameter carbon filaments for reinforcement between continuous carbon fiber layers in a polymer-matrix composite. <i>Carbon</i> , <b>1995</b> , 33, 1627-1631	4.2	46
249	Electric permittivity of reduced graphite oxide. <i>Carbon</i> , <b>2017</b> , 111, 182-190	4.2	45
248	Improving the electrochemical behavior of carbon black and carbon filaments by oxidation. <i>Carbon</i> , <b>1997</b> , 35, 1111-1127	4.2	45
247	Vibration damping using flexible graphite. <i>Carbon</i> , <b>2000</b> , 38, 1510-1512	4.2	45
246	Effect of admixtures on the dielectric constant of cement paste. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 673-677	5.3	44
245	Effect of fiber lay-up configuration on the electromagnetic interference shielding effectiveness of continuous carbon fiber polymer-matrix composite. <i>Carbon</i> , <b>2019</b> , 141, 685-691	4.2	44
244	Cement-based materials for stress sensing by dielectric measurement. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 1429-1433	5.3	43
243	Improving the workability and strength of silica fume concrete by using silane-treated silica fume. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 451-453	5.3	43
242	Effect of methylcellulose admixture on the mechanical properties of cement. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 535-538	5.3	43
241	Dielectric and electrical conduction behavior of carbon paste electrochemical electrodes, with decoupling of carbon, electrolyte and interface contributions. <i>Carbon</i> , <b>2014</b> , 72, 135-151	4.2	42
240	Unprecedented vibration damping with high values of loss modulus and loss tangent, exhibited by cement matrix graphite network composite. <i>Carbon</i> , <b>2010</b> , 48, 1457-1464	4.2	42
239	Carbon fiber reinforced mortar as an electrical contact material for cathodic protection. <i>Cement and Concrete Research</i> , <b>1995</b> , 25, 689-694	5.3	42
238	Intralayer crystal structure and order-disorder transformations of graphite intercalation compounds using electron diffraction techniques. <i>Materials Science and Engineering</i> , <b>1977</b> , 31, 107-114		42
237	Interlaminar damage in carbon fiber polymer-matrix composites, studied by electrical resistance measurement. <i>International Journal of Adhesion and Adhesives</i> , <b>2001</b> , 21, 465-471	1.1	41
236	Increasing the specific heat of cement paste by admixture surface treatments. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 1117-1121	5.3	41
235	Exfoliated graphite with relative dielectric constant reaching 360, obtained by exfoliation of acid-intercalated graphite flakes without subsequent removal of the residual acidity. <i>Carbon</i> , <b>2015</b> , 91, 1-10	4.2	40

234	Cathodic protection of steel reinforced concrete facilitated by using carbon fiber reinforced mortar or concrete. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 649-656	5.3	39
233	Effect of carbon fiber grade on the electrical behavior of carbon fiber reinforced cement. <i>Carbon</i> , <b>2001</b> , 39, 369-373	4.2	39
232	Anodic performance of vapor-derived carbon filaments in lithium-ion secondary battery. <i>Carbon</i> , <b>2001</b> , 39, 493-496	4.2	39
231	Reducing the drying shrinkage of cement paste by admixture surface treatments. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 241-245	5.3	39
230	Improving the dispersion of steel fibers in cement mortar by the addition of silane. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 309-311	5.3	38
229	Improving the tensile properties of carbon fiber reinforced cement by ozone treatment of the fiber. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 1485-1488	5.3	38
228	Colossal electric permittivity discovered in polyacrylonitrile (PAN) based carbon fiber, with comparison of PAN-based and pitch-based carbon fibers. <i>Carbon</i> , <b>2019</b> , 145, 734-739	4.2	37
227	Carbon Nanotube Thermal Pastes for Improving Thermal Contacts. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 1181-1187	0.7	37
226	Calorimetric study of the effect of carbon fillers on the curing of epoxy. <i>Carbon</i> , <b>2004</b> , 42, 3039-3042	4.2	37
225	Pore Structure and Permeability of an Alumina Fiber Filter Membrane for Hot Gas Filtration. <i>Journal of Porous Materials</i> , <b>2002</b> , 9, 211-219	0.9	37
224	Effect of carbon black structure on the effectiveness of carbon black thermal interface pastes. <i>Carbon</i> , <b>2007</b> , 45, 2922-2931	4.2	36
223	Effect of stress on the electric polarization in cement. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 291-295	5.3	36
222	Combined Use of Magnetic and Electrically Conductive Fillers in a Polymer Matrix for Electromagnetic Interference Shielding. <i>Journal of Electronic Materials</i> , <b>2008</b> , 37, 1088-1094	0.7	35
221	Electromechanical behavior of carbon fiber. <i>Carbon</i> , <b>1997</b> , 35, 706-709	4.2	34
220	Thermomechanical behavior of a graphite foam. <i>Carbon</i> , <b>2003</b> , 41, 1175-1180	4.2	34
219	Improving colloidal graphite for electromagnetic interference shielding using 0.1 $\mu$ m diameter carbon filaments. <i>Carbon</i> , <b>2003</b> , 41, 1313-1315	4.2	34
218	Pyroelectric behavior of cement-based materials. <i>Cement and Concrete Research</i> , <b>2003</b> , 33, 1675-1679	5.3	34
217	Interlaminar interface in carbon fiber polymer-matrix composites, studied by contact electrical resistivity measurement. <i>Composite Interfaces</i> , <b>1998</b> , 6, 497-505	0.7	34



216	Radio-wave electrical conductivity and absorption-dominant interaction with radio wave of exfoliated-graphite-based flexible graphite, with relevance to electromagnetic shielding and antennas. <i>Carbon</i> , <b>2020</b> , 157, 549-562	4.2	34
215	A comparative study of the wettability of steel, carbon, and polyethylene fibers by water. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 783-786	5.3	33
214	Flexible graphite as a heating element. <i>Carbon</i> , <b>2002</b> , 40, 2285-2289	4.2	33
213	The importance of the electrical contact between specimen and testing fixture in evaluating the electromagnetic interference shielding effectiveness of carbon materials. <i>Carbon</i> , <b>2017</b> , 117, 427-436	4.2	32
212	Radio-wave-reflecting concrete for lateral guidance in automatic highways. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 795-801	5.3	32
211	The interlaminar interface of a carbon fiber polymer-matrix composite as a resistance heating element. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2003</b> , 34, 933-940	3.2	32
210	Carbon fiber structural composites as thermistors. <i>Sensors and Actuators A: Physical</i> , <b>1999</b> , 78, 180-188	1.6	32
209	Temperature/light sensing using carbon fiber polymer-matrix composite. <i>Composites Part B: Engineering</i> , <b>1999</b> , 30, 591-601	4.9	32
208	Calorimetric study of the order-disorder transformations in graphite-halogens. <i>Materials Science and Engineering</i> , <b>1979</b> , 37, 213-221		32
207	Electric permittivity of carbon fiber. <i>Carbon</i> , <b>2019</b> , 143, 475-480	4.2	32
206	Effect of nickel coating on the stress-dependent electric permittivity, piezoelectricity and piezoresistivity of carbon fiber, with relevance to stress self-sensing. <i>Carbon</i> , <b>2019</b> , 145, 401-410	4.2	32
205	Self-monitoring of strain and damage by a carbon-carbon composite. <i>Carbon</i> , <b>1997</b> , 35, 621-630	4.2	31
204	Improving the abrasion resistance of mortar by adding latex and carbon fibers. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 1149-1153	5.3	31
203	Piezoelectric cement-based materials with large coupling and voltage coefficients. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 335-339	5.3	31
202	Effects of sand and silica fume on the vibration damping behavior of cement. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 1353-1356	5.3	30
201	Mats and fabrics for electromagnetic interference shielding. <i>Journal of Materials Engineering and Performance</i> , <b>2006</b> , 15, 295-298	0.7	30
200	Flexible graphite under repeated compression studied by electrical resistance measurements. <i>Carbon</i> , <b>2001</b> , 39, 985-990	4.2	30
199	Effect of carbon fibers on the vibration-reduction ability of cement. <i>Cement and Concrete Research</i> , <b>1999</b> , 29, 1107-1109	5.3	30

198	Latex-modified cement mortar reinforced by short carbon fibres. <i>Composites</i> , <b>1992</b> , 23, 453-460		30
197	A theory for the kinetics of intercalation of graphite. <i>Carbon</i> , <b>1987</b> , 25, 377-389	4.2	30
196	Cement-matrix composites for thermal engineering. <i>Applied Thermal Engineering</i> , <b>2001</b> , 21, 1607-1619	2.6	29
195	Viscoelastic behavior of the cell wall of exfoliated graphite. <i>Carbon</i> , <b>2013</b> , 61, 305-312	4.2	28
194	Thermal analysis of carbon fiber polymer-matrix composites by electrical resistance measurement. <i>Thermochimica Acta</i> , <b>2000</b> , 364, 121-132	1.3	28
193	Solvent cleansing of the surface of carbon filaments and its benefit to the electrochemical behavior. <i>Carbon</i> , <b>1995</b> , 33, 1681-1698	4.2	28
192	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. <i>Carbon</i> , <b>2019</b> , 152, 898-908	4.2	27
191	Interface-derived extraordinary viscous behavior of exfoliated graphite. <i>Carbon</i> , <b>2014</b> , 68, 646-652	4.2	27
190	Carbon fiber polymer-matrix structural composites exhibiting greatly enhanced through-thickness thermoelectric figure of merit. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2013</b> , 48, 162-170	3.2	27
189	Flexible graphite modified by carbon black paste for use as a thermal interface material. <i>Carbon</i> , <b>2011</b> , 49, 1075-1086	4.2	27
188	Electrochemical behavior of porous carbons. <i>Carbon</i> , <b>1997</b> , 35, 893-916	4.2	27
187	Carbon fiber mats as resistive heating elements. <i>Carbon</i> , <b>2003</b> , 41, 2436-2440	4.2	27
186	Graphite oxide paper as a polarizable electrical conductor in the through-thickness direction. <i>Carbon</i> , <b>2016</b> , 109, 874-882	4.2	27
185	Development, design and applications of structural capacitors. <i>Applied Energy</i> , <b>2018</b> , 231, 89-101	4.8	27
184	Thermal and electrical conduction in the compaction direction of exfoliated graphite and their relation to the structure. <i>Carbon</i> , <b>2014</b> , 77, 538-550	4.2	26
183	Electrochemical behavior of flexible graphite. <i>Carbon</i> , <b>1997</b> , 35, 858-860	4.2	26
182	Self-sensing of Damage and Strain in Carbon Fiber Polymer-Matrix Structural Composites by Electrical Resistance Measurement. <i>Polymers and Polymer Composites</i> , <b>2003</b> , 11, 515-525	0.4	26
181	Thermoelectric behavior of carbon-cement composites. <i>Carbon</i> , <b>2002</b> , 40, 2495-2497	4.2	26

180	Enhancing the vibration reduction ability of concrete by using steel reinforcement and steel surface treatments. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 327-330	5.3	26
179	Effect of polymer admixtures to cement on the bond strength and electrical contact resistivity between steel fiber and cement. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 189-194	5.3	26
178	First report of capacitance-based self-sensing and in-plane electric permittivity of carbon fiber polymer-matrix composite. <i>Carbon</i> , <b>2018</b> , 140, 413-427	4.2	26
177	Factors That Govern the Performance of Thermal Interface Materials. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 175-192	0.7	25
176	Nanoclay Paste as a Thermal Interface Material for Smooth Surfaces. <i>Journal of Electronic Materials</i> , <b>2008</b> , 37, 1698-1709	0.7	25
175	Linear correlation of bond strength and contact electrical resistivity between steel rebar and concrete. <i>Cement and Concrete Research</i> , <b>1995</b> , 25, 1397-1402	5.3	25
174	Exfoliation of single crystal graphite and graphite fibers intercalated with halogens. <i>Synthetic Metals</i> , <b>1983</b> , 8, 343-349	1.7	25
173	Correlation of the crystal structural and microstructural effects of the interfacial processes between gold and GaAs. <i>Thin Solid Films</i> , <b>1982</b> , 93, 207-218	0.7	25
172	Graphite-graphite electrical contact under dynamic mechanical loading. <i>Carbon</i> , <b>2001</b> , 39, 615-618	4.2	24
171	Phase transitions in graphite-halogens. <i>Synthetic Metals</i> , <b>1980</b> , 2, 109-120	1.7	24
170	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. <i>Carbon</i> , <b>2015</b> , 91, 76-87	4.2	23
169	Piezoresistive behavior of carbon fiber in epoxy. <i>Carbon</i> , <b>1997</b> , 35, 1649-1651	4.2	23
168	Carbon fiber reinforced cement composites improved by using chemical agents. <i>Cement and Concrete Research</i> , <b>1989</b> , 19, 25-41	5.3	23
167	Dynamic mechanical behavior of flexible graphite made from exfoliated graphite. <i>Carbon</i> , <b>2012</b> , 50, 283-289	4.2	22
166	Improving both bond strength and corrosion resistance of steel rebar in concrete by water immersion or sand blasting of rebar. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 679-684	5.3	22
165	Origin of the thermoelectric behavior of steel fiber cement paste. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 821-823	5.3	22
164	Two-dimensional structure of bromine intercalated graphite. <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 1179-1187	1.7	22
163	Electret, piezoelectret, dielectricity and piezoresistivity discovered in exfoliated-graphite-based flexible graphite, with applications in mechanical sensing and electric powering. <i>Carbon</i> , <b>2019</b> , 150, 531-548	4.2	21

162	Cement-based thermocouples. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 507-510	5.3	21
161	Bromination of graphitic pitch-based carbon fibers. <i>Carbon</i> , <b>1990</b> , 28, 831-837	4.2	21
160	Comparative evaluation of cement-matrix composites with distributed versus networked exfoliated graphite. <i>Carbon</i> , <b>2013</b> , 63, 446-453	4.2	20
159	Viscoelastic behavior of carbon black and its relationship with the aggregate size. <i>Carbon</i> , <b>2013</b> , 60, 346-355	4.2	20
158	An electromechanical study of the transverse behavior of carbon fiber polymer-matrix composite. <i>Composite Interfaces</i> , <b>1997</b> , 5, 191-199	0.7	20
157	Effect of strain rate on cement mortar under compression, studied by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 817-819	5.3	20
156	Effect of heating time below the melting temperature on polyphenylene sulfide adhesive joint development. <i>International Journal of Adhesion and Adhesives</i> , <b>2000</b> , 20, 273-277	1.1	20
155	Intercalate vaporization during the exfoliation of graphite intercalated with bromine. <i>Carbon</i> , <b>1987</b> , 25, 361-365	4.2	20
154	Kinetics of intercalation and desorption in graphite. <i>Synthetic Metals</i> , <b>1980</b> , 2, 57-84	1.7	20
153	Through-thickness thermoelectric power of a carbon fiber/epoxy composite and decoupled contributions from a lamina and an interlaminar interface. <i>Carbon</i> , <b>2013</b> , 52, 30-39	4.2	19
152	Carbon-coated sepiolite clay fibers with acid pre-treatment as low-cost organic adsorbents. <i>Carbon</i> , <b>2017</b> , 123, 259-272	4.2	19
151	Preparation of conductive carbons with high surface area. <i>Carbon</i> , <b>2001</b> , 39, 39-44	4.2	19
150	Thermal stress-induced thermoplastic composite debonding, studied by contact electrical resistance measurement. <i>International Journal of Adhesion and Adhesives</i> , <b>2000</b> , 20, 135-139	1.1	19
149	Use of carbon filaments in place of carbon black as the current collector of a lithium cell with a thionyl chloride bromine chloride catholyte. <i>Journal of Power Sources</i> , <b>1996</b> , 58, 55-66	3.3	19
148	Effect of the fringing electric field on the apparent electric permittivity of cement-based materials. <i>Composites Part B: Engineering</i> , <b>2017</b> , 126, 192-201	4.9	18
147	Electret behavior of carbon fiber structural composites with carbon and polymer matrices, and its application in self-sensing and self-powering. <i>Carbon</i> , <b>2020</b> , 160, 361-389	4.2	18
146	Effects of printing conditions on the molecular alignment of three-dimensionally printed polymer. <i>Composites Part B: Engineering</i> , <b>2018</b> , 134, 164-168	4.9	18
145	Residual stress in carbon fiber embedded in epoxy, studied by simultaneous measurement of applied stress and electrical resistance. <i>Composite Interfaces</i> , <b>1997</b> , 5, 277-281	0.7	18

144	Corrosion control of steel-reinforced concrete. <i>Journal of Materials Engineering and Performance</i> , <b>2000</b> , 9, 585-588	0.7	18
143	Electromechanical, self-sensing and viscoelastic behavior of carbon fiber tows. <i>Carbon</i> , <b>2016</b> , 110, 8-16	4.2	18
142	Capacitance-based self-sensing of flaws and stress in carbon-carbon composites, with reports of the electric permittivity, piezoelectricity and piezoresistivity. <i>Carbon</i> , <b>2019</b> , 146, 447-461	4.2	18
141	Self-sensing concrete: from resistance-based sensing to capacitance-based sensing. <i>International Journal of Smart and Nano Materials</i> , <b>2021</b> , 12, 1-19	1.5	18
140	Piezoelectric and piezoresistive behavior of unmodified carbon fiber. <i>Carbon</i> , <b>2019</b> , 145, 452-461	4.2	17
139	Defect dynamics and damage of concrete under repeated compression, studied by electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 1639-1642	5.3	17
138	Degree of dispersion of latex particles in cement paste, as assessed by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 985-991	5.3	17
137	Kinetics of intercalate desorption from carbon fibers intercalated with bromine. <i>Carbon</i> , <b>1990</b> , 28, 825-830	4.2	17
136	Kinetics and thermodynamics of intercalation of bromine in graphite Experimental. <i>Carbon</i> , <b>1987</b> , 25, 191-210	4.2	17
135	Gold on GaAs: Its crystallographic orientation and control on the orientation of the Au-Ga reaction product. <i>Thin Solid Films</i> , <b>1985</b> , 128, 299-319	0.7	17
134	Dynamics of the electric polarization and depolarization of graphite. <i>Carbon</i> , <b>2021</b> , 172, 83-95	4.2	17
133	Significant effect of sorbed water on the electrical and dielectric behavior of graphite oxide. <i>Carbon</i> , <b>2017</b> , 119, 403-418	4.2	16
132	Antioxidant-Based Phase-Change Thermal Interface Materials with High Thermal Stability. <i>Journal of Electronic Materials</i> , <b>2008</b> , 37, 448-461	0.7	16
131	Degradation of the bond between concrete and steel under cyclic shear loading, monitored by contact electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 669-671	5.3	16
130	Effects of temperature and stress on the interface between concrete and its carbon fiber epoxy-matrix composite retrofit, studied by electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 799-802	5.3	16
129	Carbon fiber polymer-matrix composite interfaces as thermocouple junctions. <i>Composite Interfaces</i> , <b>1998</b> , 6, 519-529	0.7	16
128	Inhibition of the oxidation of carbon-carbon composites by bromination. <i>Carbon</i> , <b>1990</b> , 28, 815-824	4.2	16
127	In situ X-ray diffraction study of the effects of germanium and nickel concentrations on melting in gold-based contacts to gallium arsenide. <i>Thin Solid Films</i> , <b>1987</b> , 147, 177-192	0.7	16

126	Magnetoreflexion study of graphite intercalated with bromine. <i>Solid State Communications</i> , <b>1976</b> , 19, 227-230	0.6	16
125	Role of grain boundaries in the dielectric behavior of graphite. <i>Carbon</i> , <b>2021</b> , 173, 1003-1019	4.2	16
124	Decreasing the electric permittivity of cement by graphite particle incorporation. <i>Carbon</i> , <b>2017</b> , 122, 702-709	4.2	15
123	Flexible graphite as a compliant thermoelectric material. <i>Carbon</i> , <b>2002</b> , 40, 1134-1136	4.2	15
122	Effect of chemisorbed oxygen on the electrochemical behavior of graphite fibers. <i>Carbon</i> , <b>1994</b> , 32, 1499-1505	4.2	15
121	Phase transitions in gold contacts to GaAs. <i>Thin Solid Films</i> , <b>1985</b> , 128, 321-332	0.7	15
120	Effect of stress on the capacitance and electric permittivity of three-dimensionally printed polymer, with relevance to capacitance-based stress monitoring. <i>Sensors and Actuators A: Physical</i> , <b>2017</b> , 263, 380-385	1.6	14
119	Performance of Isotropic and Anisotropic Heat Spreaders. <i>Journal of Electronic Materials</i> , <b>2012</b> , 41, 2580-2587	2.5	14
118	Effect of the pitch-based carbon anode on the capacity loss of lithium-ion secondary battery. <i>Carbon</i> , <b>2003</b> , 41, 945-950	4.2	14
117	Role of moisture in the Seebeck effect in cement-based materials. <i>Cement and Concrete Research</i> , <b>2005</b> , 35, 810-812	5.3	14
116	Thermal history of carbon-fiber polymer-matrix composite, evaluated by electrical resistance measurement. <i>Thermochimica Acta</i> , <b>2001</b> , 369, 87-93	1.3	14
115	Effect of polymer addition on the thermal stability and thermal expansion of cement. <i>Cement and Concrete Research</i> , <b>1995</b> , 25, 465-469	5.3	14
114	Structure of brominated thornel P-100 carbon fibers. <i>Carbon</i> , <b>1989</b> , 27, 603-609	4.2	14
113	In situ X-ray diffraction study of melting in gold contacts to gallium arsenide. <i>Solid-State Electronics</i> , <b>1984</b> , 27, 339-345	0.6	14
112	Effect of exfoliation on the electrical resistivity of intercalated graphite. <i>Synthetic Metals</i> , <b>1985</b> , 12, 533-538	5.3	14
111	Mechanical energy dissipation modeling of exfoliated graphite based on interfacial friction theory. <i>Carbon</i> , <b>2016</b> , 108, 291-302	4.2	14
110	Electric poling of carbon fiber with and without nickel coating. <i>Carbon</i> , <b>2020</b> , 162, 25-35	4.2	13
109	Sensing the stress in steel by capacitance measurement. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 274, 244-251	1.6	13

108	Strengthening and stiffening carbon fiber epoxy composites by halloysite nanotubes, carbon nanotubes and silicon carbide whiskers. <i>Applied Clay Science</i> , <b>2013</b> , 83-84, 375-382	2.3	13
107	Improving brick-to-mortar bond strength by the addition of carbon fibers to the mortar. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 1829-1839	5.3	13
106	Decrease of the Bond Strength between Steel Rebar and Concrete with Increasing Curing Age 11Communicated by D.M. Roy.. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 167-169	5.3	13
105	Hygrothermal Stability of Electrical Contacts Made from Silver and Graphite Electrically Conductive Pastes. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 65-74	0.7	13
104	A comparative study of carbons for use as an electrically conducting additive in the manganese dioxide cathode of an electrochemical cell. <i>Carbon</i> , <b>2002</b> , 40, 447-449	4.2	13
103	Concrete-concrete pressure contacts under dynamic loading, studied by contact electrical resistance measurement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 323-326	5.3	13
102	Thermal Fatigue in Carbon Fibre Polymer-Matrix Composites, Monitored in Real Time by Electrical Resistance Measurements. <i>Polymers and Polymer Composites</i> , <b>2001</b> , 9, 135-140	0.4	13
101	Carbon fibers brominated by electrochemical intercalation. <i>Carbon</i> , <b>1990</b> , 28, 521-528	4.2	13
100	X-ray diffraction (pole figure) study of the epitaxy of gold thin films on GaAs. <i>Thin Solid Films</i> , <b>1983</b> , 104, 109-131	0.7	13
99	Electron diffraction evidence of domain twinning in graphite-bromine single crystals. <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 727-733	2.1	13
98	Piezoresistivity and piezoelectricity discovered in aluminum, with relevance to structural self-sensing. <i>Sensors and Actuators A: Physical</i> , <b>2019</b> , 289, 144-156	1.6	12
97	Understanding the increase of the electric permittivity of cement caused by latex addition. <i>Composites Part B: Engineering</i> , <b>2018</b> , 134, 177-185	4.9	12
96	Controlling and increasing the inherent voltage in cement paste. <i>Advances in Cement Research</i> , <b>2009</b> , 21, 31-37	0.8	12
95	Improving Silica Fume for Concrete by Surface Treatment 11Communicated by D.M. Roy.. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 493-498	5.3	12
94	Defect dynamics of cement paste under repeated compression studied by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 1515-1518	5.3	12
93	Composites for Electronic Packaging and Thermal Management <b>2000</b> , 701-725		12
92	Graphite ribbons formed from graphite fibers. <i>Carbon</i> , <b>1984</b> , 22, 613-614	4.2	12
91	Electret behavior of unpoled carbon fiber with and without nickel coating. <i>Carbon</i> , <b>2020</b> , 159, 122-132	4.2	12

90	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. <i>Composites Part B: Engineering</i> , <b>2018</b> , 140, 78-82	4.9	11
89	Sound absorption enhancement using solid-solid interfaces in a non-porous cement-based structural material. <i>Composites Part B: Engineering</i> , <b>2016</b> , 95, 453-461	4.9	11
88	Radio-frequency linear absorption coefficient of carbon materials, its dependence on the thickness and its independence on the carbon structure. <i>Carbon</i> , <b>2017</b> , 124, 473-478	4.2	11
87	Improving the bond strength between steel rebar and concrete by ozone treatment of rebar and polymer addition to concrete. <i>Cement and Concrete Research</i> , <b>1997</b> , 27, 643-648	5.3	11
86	Electrical resistivity of submicron-diameter carbon-filament compacts. <i>Carbon</i> , <b>2001</b> , 39, 1717-1722	4.2	11
85	Improving the bond strength between steel rebar and concrete by oxidation treatments of the rebar. <i>Cement and Concrete Research</i> , <b>1996</b> , 26, 1499-1503	5.3	11
84	Effect of bromination on the oxidation resistance of pitch-based carbon fibers. <i>Carbon</i> , <b>1989</b> , 27, 227-231	4.2	11
83	Effect of heating on the structure of Au/GaAs encapsulated with SiO <sub>2</sub> . <i>Solid-State Electronics</i> , <b>1987</b> , 30, 1259-1266	0.6	11
82	Structural effects of heating gold-based contacts to gallium phosphide. <i>Solid-State Electronics</i> , <b>1984</b> , 27, 137-146	0.6	11
81	Dielectric behavior of graphite, with assimilation of the AC permittivity, DC polarization and DC electret. <i>Carbon</i> , <b>2021</b> , 181, 246-259	4.2	11
80	Elastomeric behavior of exfoliated graphite, as shown by instrumented indentation testing. <i>Carbon</i> , <b>2015</b> , 81, 505-513	4.2	10
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78	Sensitivity of the bond strength to the structure of the interface between reinforcement and cement, and the variability of this structure. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 787-793	5.3	10
77	Electrically Nonconductive Thermal Pastes with Carbon as the Thermally Conductive Component. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 659-668	0.7	10
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71	Capacitance-based stress self-sensing in cement paste without requiring any admixture. <i>Cement and Concrete Composites</i> , <b>2018</b> , 94, 255-263	4.5	10
70	Strong viscous behavior discovered in nanotube mats, as observed in boron nitride nanotube mats. <i>Composites Part B: Engineering</i> , <b>2016</b> , 91, 56-64	4.9	9
69	Effect of Rust on the Wettability of Steel by Water 11Communicated by D.M. Roy.. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 477-480	5.3	9
68	Minor damage of cement mortar during cyclic compression, monitored by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>2001</b> , 31, 1519-1521	5.3	9
67	Electromechanical behavior of graphite intercalated with bromine. <i>Carbon</i> , <b>1986</b> , 24, 639-647	4.2	9
66	Superlattice ordering in graphite-IC1 single crystals and fibers. <i>Carbon</i> , <b>1984</b> , 22, 325-333	4.2	9
65	Electrochemical behavior of hairy carbons. <i>Carbon</i> , <b>1997</b> , 35, 1439-1455	4.2	8
64	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.. <i>Cement and Concrete Research</i> , <b>1998</b> , 28, 487-492	5.3	8
63	Epoxy-based carbon films with high electrical conductivity attached to an alumina substrate. <i>Carbon</i> , <b>2008</b> , 46, 1798-1801	4.2	8
62	A three-dimensionally interconnected metal-spring network in a silicone matrix as a resilient and electrically conducting composite material. <i>Composites</i> , <b>1992</b> , 23, 355-363		8
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60	Thermal gravimetric analysis of graphite-bromine compounds. <i>Materials Science and Engineering</i> , <b>1980</b> , 44, 129-137		8
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58	A ceramic-carbon hybrid as a high-temperature structural monolith and reinforcing filler and binder for carbon/carbon composites. <i>Carbon</i> , <b>2013</b> , 59, 76-92	4.2	7
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55	Effect of intercalate desorption on the two-dimensional structure of graphite-bromine. <i>Synthetic Metals</i> , <b>1983</b> , 7, 283-288	1.7	7

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53	Capacitance-based nondestructive detection of aggregate proportion variation in a cement-based slab. <i>Composites Part B: Engineering</i> , <b>2018</b> , 134, 18-27	4.9	6
52	Silver Particle Carbon-Matrix Composites as Thick Films for Electrical Applications. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 1188-1192	0.7	6
51	Three-dimensional microstructuring of carbon by thermoplastic spacer evaporation during pyrolysis. <i>Carbon</i> , <b>2008</b> , 46, 1765-1772	4.2	6
50	Thermomechanical properties of alumina fiber membrane. <i>Ceramics International</i> , <b>2005</b> , 31, 453-460	1.7	6
49	High-strength high-surface-area porous carbon made from submicron-diameter carbon filaments. <i>Carbon</i> , <b>1996</b> , 34, 811-814	4.2	6
48	Thermoelectric polymer-matrix structural and nonstructural composite materials. <i>Advanced Industrial and Engineering Polymer Research</i> , <b>2018</b> , 1, 61-65	4	6
47	Factors that govern the electric permittivity of carbon materials in the graphite allotrope family. <i>Carbon</i> , <b>2021</b> , 184, 245-252	4.2	6
46	Performance of Thermal Interface Materials.. <i>Small</i> , <b>2022</b> , e2200693	3.3	6
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44	Deformation adjustment of concrete beams laminated with carbon fiber mats. <i>Construction and Building Materials</i> , <b>2007</b> , 21, 621-625	2.9	5
43	Defect dynamics of cement mortar under repeated loading, studied by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 379-385	5.3	5
42	Carbon fibre composites with improved fatigue resistance due to the addition of tin-lead alloy particles. <i>Composites</i> , <b>1990</b> , 21, 419-424		5
41	Kinetics and thermodynamics of intercalation of bromine in graphiteII. Theory. <i>Carbon</i> , <b>1987</b> , 25, 211-218	4.2	5
40	Piezoelectret-based and piezoresistivity-based stress self-sensing in steel beams under flexure. <i>Sensors and Actuators A: Physical</i> , <b>2020</b> , 301, 111780	1.6	5
39	Deviceless cement-based structures as energy sources that enable structural self-powering. <i>Applied Energy</i> , <b>2020</b> , 280, 115916	4.8	5
38	Laboratory simulation of capacitance-based layer-by-layer monitoring of three-dimensional printing. <i>Sensors and Actuators A: Physical</i> , <b>2017</b> , 268, 101-109	1.6	4
37	Interface between steel rebar and concrete, studied by electromechanical pull-out testing. <i>Composite Interfaces</i> , <b>1998</b> , 6, 81-92	0.7	4

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