

# Ddl Chung

## List of Publications by Year in Descending Order

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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.

342  
papers

14,412  
citations

64  
h-index

102  
g-index

349  
ext. papers

16,059  
ext. citations

8.4  
avg, IF

7.49  
L-index

#	Paper	IF	Citations
342	Performance of Thermal Interface Materials.. <i>Small</i> , <b>2022</b> , e2200693	10.8	0
341	Electromagnetic skin depth of cement paste and its thickness dependence. <i>Journal of Building Engineering</i> , <b>2022</b> , 52, 104393	5.1	0
340	A review of the colossal permittivity of electronic conductors, specifically metals and carbons. <i>Materials Research Bulletin</i> , <b>2022</b> , 148, 111654	5	2
339	Capacitance-based stress self-sensing in asphalt without electrically conductive constituents, with relevance to smart pavements. <i>Sensors and Actuators A: Physical</i> , <b>2022</b> , 342, 113625	3.8	
338	Dynamics of the electric polarization and depolarization of graphite. <i>Carbon</i> , <b>2021</b> , 172, 83-95	10.1	17
337	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	3.5	16
336	Role of grain boundaries in the dielectric behavior of graphite. <i>Carbon</i> , <b>2021</b> , 173, 1003-1019	10.1	16
335	Pyropermittivity and pyroelectret behavior of graphite. <i>Carbon</i> , <b>2021</b> , 174, 357-367	10.1	8
334	Self-Sensing Materials <b>2021</b> ,		
333	Capacitance-based stress self-sensing effectiveness of a model asphalt without functional component. <i>Construction and Building Materials</i> , <b>2021</b> , 294, 123591	6.6	3
332	Dielectric behavior of graphite, with assimilation of the AC permittivity, DC polarization and DC electret. <i>Carbon</i> , <b>2021</b> , 181, 246-259	10.1	9
331	Enhancing the electromagnetic interference shielding effectiveness of carbon-fiber reinforced cement paste by coating the carbon fiber with nickel. <i>Journal of Building Engineering</i> , <b>2021</b> , 41, 102757	5.1	2
330	Effects of cold work, stress and temperature on the dielectric behavior of copper. <i>Materials Chemistry and Physics</i> , <b>2021</b> , 270, 124793	4.3	3
329	Factors that govern the electric permittivity of carbon materials in the graphite allotrope family. <i>Carbon</i> , <b>2021</b> , 184, 245-252	10.1	3
328	Piezopermittivity for capacitance-based strain/stress sensing. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 332, 113028	3.8	3
327	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	10.1	34
326	Converse piezoelectric behavior of three-dimensionally printed polymer and comparison of the in-plane and out-of-plane behavior. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2020</b> , 252, 114447	3.1	2

325	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	3.8	5
324	Electret behavior of unpoled carbon fiber with and without nickel coating. <i>Carbon</i> , <b>2020</b> , 159, 122-132	10.1	11
323	Materials for electromagnetic interference shielding. <i>Materials Chemistry and Physics</i> , <b>2020</b> , 255, 123587	4.3	72
322	Deviceless cement-based structures as energy sources that enable structural self-powering. <i>Applied Energy</i> , <b>2020</b> , 280, 115916	10.5	5
321	Electric poling of carbon fiber with and without nickel coating. <i>Carbon</i> , <b>2020</b> , 162, 25-35	10.1	12
320	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	10.1	17
319	Piezoelectric and piezoresistive behavior of unmodified carbon fiber. <i>Carbon</i> , <b>2019</b> , 145, 452-461	10.1	17
318	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	10.1	34
317	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	10.1	20
316	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	10.1	27
315	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	3.8	12
314	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	10.1	18
313	A review of multifunctional polymer-matrix structural composites. <i>Composites Part B: Engineering</i> , <b>2019</b> , 160, 644-660	9.9	75
312	Electric permittivity of carbon fiber. <i>Carbon</i> , <b>2019</b> , 143, 475-480	10.1	28
311	Interface-derived solid-state viscoelasticity exhibited by nanostructured and microstructured materials containing carbons or ceramics. <i>Carbon</i> , <b>2019</b> , 144, 567-581	10.1	4
310	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	10.1	30
309	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	10.1	40
308	Sensing the stress in steel by capacitance measurement. <i>Sensors and Actuators A: Physical</i> , <b>2018</b> , 274, 244-251	3.8	13

307	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	9.9	11
306	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	9.9	11
305	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	9.9	18
304	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	9.9	6
303	Capacitance-based stress self-sensing in cement paste without requiring any admixture. <i>Cement and Concrete Composites</i> , <b>2018</b> , 94, 255-263	8.5	10
302	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	10.1	26
301	Development, design and applications of structural capacitors. <i>Applied Energy</i> , <b>2018</b> , 231, 89-101	10.5	26
300	Thermoelectric polymer-matrix structural and nonstructural composite materials. <i>Advanced Industrial and Engineering Polymer Research</i> , <b>2018</b> , 1, 61-65	7.1	6
299	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	10.1	11
298	Carbon-coated sepiolite clay fibers with acid pre-treatment as low-cost organic adsorbents. <i>Carbon</i> , <b>2017</b> , 123, 259-272	10.1	20
297	Decreasing the electric permittivity of cement by graphite particle incorporation. <i>Carbon</i> , <b>2017</b> , 122, 702-709	10.1	15
296	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	3.8	14
295	Carbon nanofiber mats for electromagnetic interference shielding. <i>Carbon</i> , <b>2017</b> , 111, 529-537	10.1	92
294	Electric permittivity of reduced graphite oxide. <i>Carbon</i> , <b>2017</b> , 111, 182-190	10.1	43
293	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	3.8	4
292	Processing-structure-property relationships of continuous carbon fiber polymer-matrix composites. <i>Materials Science and Engineering Reports</i> , <b>2017</b> , 113, 1-29	30.3	98
291	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	10.1	30
290	Significant effect of sorbed water on the electrical and dielectric behavior of graphite oxide. <i>Carbon</i> , <b>2017</b> , 119, 403-418	10.1	16

289	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	9.9	18
288	Self-sensing structural composites in aerospace engineering <b>2016</b> , 295-331		1
287	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	9.9	11
286	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	9.9	9
285	Carbon black and fumed alumina exhibiting high interface-derived mechanical energy dissipation. <i>Carbon</i> , <b>2016</b> , 103, 436-448	10.1	3
284	First report of fumed alumina incorporation in carbon-carbon composite and the consequent improvement of the oxidation resistance and mechanical properties. <i>Carbon</i> , <b>2016</b> , 101, 281-289	10.1	5
283	Graphite Intercalation Compounds <b>2016</b> ,		1
282	Electromechanical, self-sensing and viscoelastic behavior of carbon fiber tows. <i>Carbon</i> , <b>2016</b> , 110, 8-16	10.1	18
281	Mechanical energy dissipation modeling of exfoliated graphite based on interfacial friction theory. <i>Carbon</i> , <b>2016</b> , 108, 291-302	10.1	14
280	Graphite oxide paper as a polarizable electrical conductor in the through-thickness direction. <i>Carbon</i> , <b>2016</b> , 109, 874-882	10.1	25
279	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	10.1	39
278	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	10.1	23
277	Elastomeric behavior of exfoliated graphite, as shown by instrumented indentation testing. <i>Carbon</i> , <b>2015</b> , 81, 505-513	10.1	10
276	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	10.1	42
275	Interface-derived extraordinary viscous behavior of exfoliated graphite. <i>Carbon</i> , <b>2014</b> , 68, 646-652	10.1	27
274	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	10.1	23
273	Viscoelastic behavior of the cell wall of exfoliated graphite. <i>Carbon</i> , <b>2013</b> , 61, 305-312	10.1	26
272	Comparative evaluation of cement-matrix composites with distributed versus networked exfoliated graphite. <i>Carbon</i> , <b>2013</b> , 63, 446-453	10.1	20

271	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	5.1	13
270	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	10.1	19
269	Viscoelastic behavior of carbon black and its relationship with the aggregate size. <i>Carbon</i> , <b>2013</b> , 60, 346-355	10.1	19
268	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	8.3	26
267	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	10.1	45
266	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	10.1	7
265	Performance of Isotropic and Anisotropic Heat Spreaders. <i>Journal of Electronic Materials</i> , <b>2012</b> , 41, 2580-2587	10.1	13
264	Dynamic mechanical behavior of flexible graphite made from exfoliated graphite. <i>Carbon</i> , <b>2012</b> , 50, 283-289	10.1	22
263	Carbon materials for structural self-sensing, electromagnetic shielding and thermal interfacing. <i>Carbon</i> , <b>2012</b> , 50, 3342-3353	10.1	428
262	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	8.5	79
261	Flexible graphite modified by carbon black paste for use as a thermal interface material. <i>Carbon</i> , <b>2011</b> , 49, 1075-1086	10.1	27
260	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	10.1	41
259	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	2.2	57
258	Controlling and increasing the inherent voltage in cement paste. <i>Advances in Cement Research</i> , <b>2009</b> , 21, 31-37	1.7	11
257	Factors That Govern the Performance of Thermal Interface Materials. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 175-192	1.9	25
256	Graphite nanoplatelet pastes vs. carbon black pastes as thermal interface materials. <i>Carbon</i> , <b>2009</b> , 47, 295-305	10.1	106
255	Comment on Cement based electromagnetic shielding and absorbing building materials by Guan et al.. <i>Cement and Concrete Composites</i> , <b>2008</b> , 30, 152	8.5	
254	Antioxidant-Based Phase-Change Thermal Interface Materials with High Thermal Stability. <i>Journal of Electronic Materials</i> , <b>2008</b> , 37, 448-461	1.9	15

253	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	1.9	35
252	Nanoclay Paste as a Thermal Interface Material for Smooth Surfaces. <i>Journal of Electronic Materials</i> , <b>2008</b> , 37, 1698-1709	1.9	22
251	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	10.1	70
250	Epoxy-based carbon films with high electrical conductivity attached to an alumina substrate. <i>Carbon</i> , <b>2008</b> , 46, 1798-1801	10.1	8
249	Three-dimensional microstructuring of carbon by thermoplastic spacer evaporation during pyrolysis. <i>Carbon</i> , <b>2008</b> , 46, 1765-1772	10.1	6
248	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	1.9	13
247	Electrically Nonconductive Thermal Pastes with Carbon as the Thermally Conductive Component. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 659-668	1.9	10
246	Silver Particle Carbon-Matrix Composites as Thick Films for Electrical Applications. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 1188-1192	1.9	6
245	Carbon Nanotube Thermal Pastes for Improving Thermal Contacts. <i>Journal of Electronic Materials</i> , <b>2007</b> , 36, 1181-1187	1.9	37
244	Deformation adjustment of concrete beams laminated with carbon fiber mats. <i>Construction and Building Materials</i> , <b>2007</b> , 21, 621-625	6.6	4
243	Double percolation in the electrical conduction in carbon fiber reinforced cement-based materials. <i>Carbon</i> , <b>2007</b> , 45, 263-267	10.1	90
242	Partial replacement of carbon fiber by carbon black in multifunctional cement matrix composites. <i>Carbon</i> , <b>2007</b> , 45, 505-513	10.1	121
241	Electrical-resistance-based damage self-sensing in carbon fiber reinforced cement. <i>Carbon</i> , <b>2007</b> , 45, 710-716	10.1	76
240	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	10.1	51
239	Effect of carbon black structure on the effectiveness of carbon black thermal interface pastes. <i>Carbon</i> , <b>2007</b> , 45, 2922-2931	10.1	36
238	Carbon black pastes as coatings for improving thermal gap-filling materials. <i>Carbon</i> , <b>2006</b> , 44, 435-440	10.1	63
237	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	10.1	81
236	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	10.1	85

235	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	10.1	134
234	Model of piezoresistivity in carbon fiber cement. <i>Cement and Concrete Research</i> , <b>2006</b> , 36, 1879-1885	10.1	54
233	Mats and fabrics for electromagnetic interference shielding. <i>Journal of Materials Engineering and Performance</i> , <b>2006</b> , 15, 295-298	1.6	28
232	Discussion on paper "The electrical resistance response of continuous carbon fibre composite laminates to mechanical strain" by N. Angelidis, C.Y. Wei and P.E. Irving, <i>Composites: Part A</i> 35, 1135-1147 (2004). <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2006</b> , 37, 1490-1494	8.3	9
231	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	8.3	78
230	Reply to discussion by Peter J. Tumidajski of the paper "Colloidal graphite as an admixture in cement and as a coating on cement for electromagnetic interference shielding" <i>Cement and Concrete Research</i> , <b>2005</b> , 35, 616-617	10.1	1
229	Role of moisture in the Seebeck effect in cement-based materials. <i>Cement and Concrete Research</i> , <b>2005</b> , 35, 810-812	10.1	14
228	Thermomechanical properties of alumina fiber membrane. <i>Ceramics International</i> , <b>2005</b> , 31, 453-460	5	6
227	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	10.1	45
226	Calorimetric study of the effect of carbon fillers on the curing of epoxy. <i>Carbon</i> , <b>2004</b> , 42, 3039-3042	10.1	37
225	Electromagnetic interference shielding reaching 70 dB in steel fiber cement. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 329-332	10.1	126
224	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	10.1	102
223	Microstructural effect of the shrinkage of cement-based materials during hydration, as indicated by electrical resistivity measurement. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 1893-1897	10.1	10
222	Use of fly ash as an admixture for electromagnetic interference shielding. <i>Cement and Concrete Research</i> , <b>2004</b> , 34, 1889-1892	10.1	59
221	Effects of carbon black on the thermal, mechanical and electrical properties of pitch-matrix composites. <i>Carbon</i> , <b>2004</b> , 42, 2393-2397	10.1	48
220	Structural composite materials tailored for damping. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 355, 216-223	36	83
219	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	8.3	32
218	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	1.7	116



217	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	0.8	26
216	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	10.1	14
215	Thermomechanical behavior of a graphite foam. <i>Carbon</i> , <b>2003</b> , 41, 1175-1180	10.1	34
214	Improving colloidal graphite for electromagnetic interference shielding using 0.1 $\mu$ m diameter carbon filaments. <i>Carbon</i> , <b>2003</b> , 41, 1313-1315	10.1	33
213	Carbon black dispersions as thermal pastes that surpass solder in providing high thermal contact conductance. <i>Carbon</i> , <b>2003</b> , 41, 2459-2469	10.1	109
212	Carbon fiber mats as resistive heating elements. <i>Carbon</i> , <b>2003</b> , 41, 2436-2440	10.1	26
211	Coke powder as an admixture in cement for electromagnetic interference shielding. <i>Carbon</i> , <b>2003</b> , 41, 2433-2436	10.1	51
210	Pyroelectric behavior of cement-based materials. <i>Cement and Concrete Research</i> , <b>2003</b> , 33, 1675-1679	10.1	34
209	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	10.1	84
208	Damage in cement-based materials, studied by electrical resistance measurement. <i>Materials Science and Engineering Reports</i> , <b>2003</b> , 42, 1-40	30.3	65
207	Improving the Flexural Modulus and Thermal Stability of Pitch by the Addition of Silica Fume. <i>Journal of Reinforced Plastics and Composites</i> , <b>2002</b> , 21, 91-95	2.8	1
206	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	10.1	176
205	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	10.1	13
204	Flexible graphite as a compliant thermoelectric material. <i>Carbon</i> , <b>2002</b> , 40, 1134-1136	10.1	15
203	Oxidation protection of carbon materials by acid phosphate impregnation. <i>Carbon</i> , <b>2002</b> , 40, 1249-1254	10.1	62
202	Flexible graphite as a heating element. <i>Carbon</i> , <b>2002</b> , 40, 2285-2289	10.1	34
201	Thermoelectric behavior of carbon/cement composites. <i>Carbon</i> , <b>2002</b> , 40, 2495-2497	10.1	26
200	Piezoelectric cement-based materials with large coupling and voltage coefficients. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 335-339	10.1	28

199	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	10.1	5
198	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	10.1	18
197	Origin of the thermoelectric behavior of steel fiber cement paste. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 821-823	10.1	22
196	Cement-based materials for stress sensing by dielectric measurement. <i>Cement and Concrete Research</i> , <b>2002</b> , 32, 1429-1433	10.1	43
195	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	10.1	54
194	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	2.3	37
193	Electrical conduction behavior of cement-matrix composites. <i>Journal of Materials Engineering and Performance</i> , <b>2002</b> , 11, 194-204	1.6	68
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178	Graphite-graphite electrical contact under dynamic mechanical loading. <i>Carbon</i> , <b>2001</b> , 39, 615-618	10.1	23
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176	Comparison of submicron-diameter carbon filaments and conventional carbon fibers as fillers in composite materials. <i>Carbon</i> , <b>2001</b> , 39, 1119-1125	10.1	132
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35	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	2.1	16
34	Electromechanical behavior of graphite intercalated with bromine. <i>Carbon</i> , <b>1986</b> , 24, 639-647	10.1	9
33	Dependence of the electrical resistance of intercalated graphite fibers on electric power. <i>Carbon</i> , <b>1986</b> , 24, 443-445	10.1	2
32	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	2.1	16
31	Phase transitions in gold contacts to GaAs. <i>Thin Solid Films</i> , <b>1985</b> , 128, 321-332	2.1	13
30	Calorimetric evidence for two-step melting in graphite-bromine. <i>Carbon</i> , <b>1985</b> , 23, 459-460	10.1	3
29	Synchrotron X-ray diffraction study of the incommensurate graphite-bromine compound: Change in the c-axis repeat distance during the incommensurate-commensurate transition. <i>Materials Letters</i> , <b>1985</b> , 3, 161-164	3.2	3
28	Effect of exfoliation on the electrical resistivity of intercalated graphite. <i>Synthetic Metals</i> , <b>1985</b> , 12, 533-538	3.2	14
27	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	1.6	14
26	Superlattice ordering in graphite-IC1 single crystals and fibers. <i>Carbon</i> , <b>1984</b> , 22, 325-333	10.1	9
25	Graphite ribbons formed from graphite fibers. <i>Carbon</i> , <b>1984</b> , 22, 613-614	10.1	12
24	Calorimetric study of the rate of the 277K phase transition in graphite-bromine. <i>Carbon</i> , <b>1984</b> , 22, 102-103	10.1	2
23	Exfoliation of intercalated graphite. <i>Carbon</i> , <b>1984</b> , 22, 253-263	10.1	70
22	Structural effects of heating gold-based contacts to gallium phosphide. <i>Solid-State Electronics</i> , <b>1984</b> , 27, 137-146	1.6	11
21	Calorimetric study of the phase transitions in graphite intercalated with iodine monochloride. <i>Materials Letters</i> , <b>1984</b> , 2, 515-518	3.2	1
20	Synchrotron X-ray diffraction study of the room temperature incommensurate phase in graphite-bromine intercalation compound. <i>Journal De Physique (Paris), Lettres</i> , <b>1983</b> , 44, 761-769		10

19	Two-dimensional structure of bromine intercalated graphite. <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 1179-1187	5.1	21
18	Electron diffraction evidence of domain twinning in graphite-bromine single crystals. <i>Materials Research Bulletin</i> , <b>1983</b> , 18, 727-733	5	13
17	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	2.1	13
16	Exfoliation of single crystal graphite and graphite fibers intercalated with halogens. <i>Synthetic Metals</i> , <b>1983</b> , 8, 343-349	3.6	24
15	Effect of intercalate desorption on the two-dimensional structure of graphite-bromine. <i>Synthetic Metals</i> , <b>1983</b> , 7, 283-288	3.6	7
14	Intercalate displacement and exchange in graphite. <i>Synthetic Metals</i> , <b>1983</b> , 7, 107-115	3.6	4
13	Single Crystal X-Ray Diffraction Study of the Phase Transitions in Graphite-Bromine Intercalation Compounds. <i>Materials Research Society Symposia Proceedings</i> , <b>1982</b> , 20, 15		2
12	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	2.1	25
11	Kinetics of intercalation and desorption in graphite. <i>Synthetic Metals</i> , <b>1980</b> , 2, 57-84	3.6	20
10	Phase transitions in graphite-halogens. <i>Synthetic Metals</i> , <b>1980</b> , 2, 109-120	3.6	24
9	A kinetic model of the first intercalation of graphite. <i>Carbon</i> , <b>1980</b> , 18, 303-311	10.1	10
8	Surface profilometric study of the kinetics of the intercalation of graphite. <i>Carbon</i> , <b>1980</b> , 18, 313-318	10.1	8
7	Thermal gravimetric analysis of graphite-bromine compounds. <i>Materials Science and Engineering</i> , <b>1980</b> , 44, 129-137		8
6	Calorimetric study of the order-disorder transformations in graphite-halogens. <i>Materials Science and Engineering</i> , <b>1979</b> , 37, 213-221		32
5	Lattice vibrations in graphite and intercalation compounds of graphite. <i>Materials Science and Engineering</i> , <b>1977</b> , 31, 141-152		78
4	Magneto-optical studies of graphite intercalation compounds. <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , <b>1977</b> , 89, 131-138		7
3	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		41
2	Magnetoreflexion study of graphite intercalated with bromine. <i>Solid State Communications</i> , <b>1976</b> , 19, 227-230	1.6	15

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