Ilhan A Aksay

List of Publications by Year
in descending order

165 papers	31,647 citations	15504 65 h-index	7160 153 g-index
168 all docs	168 docs citations	168 times ranked	33598 citing authors

#	Article	IF	Citations
1	Raman Spectra of Graphite Oxide and Functionalized Graphene Sheets. Nano Letters, 2008, 8, 36-41.	9.1	3,995
2	Single Sheet Functionalized Graphene by Oxidation and Thermal Expansion of Graphite. Chemistry of Materials, 2007, 19, 4396-4404.	6.7	3,276
3	Functionalized Single Graphene Sheets Derived from Splitting Graphite Oxide. Journal of Physical Chemistry B, 2006, 110, 8535-8539.	2.6	3,173
4	Self-Assembled TiO₂â€“Graphene Hybrid Nanostructures for Enhanced Li-Ion Insertion. ACS Nano, 2009, 3, 907-914.	14.6	1,596
5	Glucose Oxidaseâ€“grapheneâ€“chitosan modified electrode for direct electrochemistry and glucose sensing. Biosensors and Bioelectronics, 2009, 25, 901-905.	10.1	1,140
6	Functionalized Graphene as a Catalytic Counter Electrode in Dye-Sensitized Solar Cells. ACS Nano, 2010, 4, 6203-6211.	14.6	1,040
7	Nitrogen-doped graphene and its electrochemical applications. Journal of Materials Chemistry, 2010, 20, 7491.	6.7	1,040
8	Hierarchically Porous Graphene as a Lithiumâ€“Air Battery Electrode. Nano Letters, 2011, 11, 5071-5078.	9.1	943
9	Ternary Self-Assembly of Ordered Metal Oxideâ”Graphene Nanocomposites for Electrochemical Energy Storage. ACS Nano, 2010, 4, 1587-1595.	14.6	795
10	Scaling behavior of the elastic properties of colloidal gels. Physical Review A, 1990, 42, 4772-4779.	2.5	736
11	Enhanced activity and stability of Pt catalysts on functionalized graphene sheets for electrocatalytic oxygen reduction. Electrochemistry Communications, 2009, 11, 954-957.	4.7	615
12	Mullite for Structural, Electronic, and Optical Applications. Journal of the American Ceramic Society, 1991, 74, 2343-2358.	3.8	600
13	Stability of Aqueous alpha-Al2O3 Suspensions with Poly(methacrylic acid) Polyelectrolyte. Journal of the American Ceramic Society, 1988, 71, 250-255.	3.8	571
14	A graphene-based electrochemical sensor for sensitive detection of paracetamol. Talanta, 2010, 81, 754-759.	5.5	549
15	Oxygen-Driven Unzipping of Graphitic Materials. Physical Review Letters, 2006, 96, 176101.	7.8	524
16	Processing of Highly Concentrated Aqueous alpha-Alumina Suspensions Stabilized with Polyelectrolytes. Journal of the American Ceramic Society, 1988, 71, 1062-1067.	3.8	443
17	Sensitive Immunosensor for Cancer Biomarker Based on Dual Signal Amplification Strategy of Graphene Sheets and Multienzyme Functionalized Carbon Nanospheres. Analytical Chemistry, 2010, 82, 2989-2995.	6.5	438
18	Glucose biosensor based on immobilization of glucose oxidase in platinum nanoparticles/graphene/chitosan nanocomposite film. Talanta, 2009, 80, 403-406.	5.5	416

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19	Structural Design of Cathodes for Liâ€S Batteries. Advanced Energy Materials, 2015, 5, 1500124.	19.5	402
20	Stabilization of Electrocatalytic Metal Nanoparticles at Metalâ˜'Metal Oxideâ˜'Graphene Triple Junction Points. Journal of the American Chemical Society, 2011, 133, 2541-2547.	13.7	391
21	Graphene Materials and Their Use in Dye-Sensitized Solar Cells. Chemical Reviews, 2014, 114, 6323-6348.	47.7	378
22	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. Chemistry of Materials, 2011, 23, 1079-1081.	6.7	366
23	Sandwich-type functionalized graphene sheet-sulfur nanocomposite for rechargeable lithium batteries. Physical Chemistry Chemical Physics, 2011, 13, 7660.	2.8	347
24	Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity. Small, 2010, 6, 1205-1209.	10.0	342
25	Biomimetic Synthesis of Macroscopic-Scale Calcium Carbonate Thin Films. Evidence for a Multistep Assembly Process. Journal of the American Chemical Society, 1998, 120, 11977-11985.	13.7	277
26	Cure depth in photopolymerization: Experiments and theory. Journal of Materials Research, 2001, 16, 3536-3544.	2.6	243
27	Factors Controlling the Size of Graphene Oxide Sheets Produced via the Graphite Oxide Route. ACS Nano, 2011, 5, 4073-4083.	14.6	235
28	Intercalation and Stitching of Graphite Oxide with Diaminoalkanes. Langmuir, 2007, 23, 10644-10649.	3.5	234
29	Functionalized Graphene Sheet Colloids for Enhanced Fuel/Propellant Combustion. ACS Nano, 2009, 3, 3945-3954.	14.6	221
30	Functionalized Graphene Sheets as a Versatile Replacement for Platinum in Dye-Sensitized Solar Cells. ACS Applied Materials & Interfaces, 2012, 4, 2794-2800.	8.0	204
31	Consolidation Behavior of Flocculated Alumina Suspensions. Journal of the American Ceramic Society, 1992, 75, 3305-3314.	3.8	188
32	Bending Properties of Single Functionalized Graphene Sheets Probed by Atomic Force Microscopy. ACS Nano, 2008, 2, 2577-2584.	14.6	187
33	Continuous Crystalline Carbonate Apatite Thin Films. A Biomimetic Approach. Journal of the American Chemical Society, 2001, 123, 2196-2203.	13.7	178
34	Size dependence of the ferroelectric transition of smallBaTiO3particles: Effect of depolarization. Physical Review B, 1994, 50, 15575-15585.	3.2	174
35	Self-Assembly Structures of Nonionic Surfactants at Graphite/Solution Interfaces. Langmuir, 1997, 13, 4349-4356.	3.5	173
36	Surface Micellization Patterns of Quaternary Ammonium Surfactants on Mica. Langmuir, 1999, 15, 1685-1692.	3.5	168

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37	Simultaneous liquid viscosity and density determination with piezoelectric unimorph cantilevers. Journal of Applied Physics, 2001, 89, 1497-1505.	2.5	167
38	Spinel Phase Formation During the 980oC Exothermic Reaction in the Kaolinite-to-Mullite Reaction Series. Journal of the American Ceramic Society, 1987, 70, 837-842.	3.8	166
39	Effect of Surface Polarity on the Structure and Dynamics of Water in Nanoscale Confinement. Journal of Physical Chemistry B, 2009, 113, 1438-1446.	2.6	143
40	Elastic and Yield Behavior of Strongly Flocculated Colloids. Journal of the American Ceramic Society, 1999, 82, 616-624.	3.8	140
41	Combined Effects of Functional Groups, Lattice Defects, and Edges in the Infrared Spectra of Graphene Oxide. Journal of Physical Chemistry C, 2015, 119, 18167-18176.	3.1	134
42	Mullitization of Diphasic Aluminosilicate Gels. Journal of the American Ceramic Society, 1991, 74, 2388-2392.	3.8	123
43	Dielectric elastomer actuators with elastomeric electrodes. Applied Physics Letters, 2012, 101, 091907.	3.3	111
44	Structure Evolution in Hydrothermally Processed (<100oC) BaTiO3 Films. Journal of the American Ceramic Society, 1996, 79, 239-247.	3.8	110
45	The effect of degree of reduction on the electrical properties of functionalized graphene sheets. Applied Physics Letters, 2013, 102, .	3.3	110
46	Grapheneâ€“Polypyrrole Nanocomposite as a Highly Efficient and Low Cost Electrically Switched Ion Exchanger for Removing ClO₄^{â€“} from Wastewater. ACS Applied Materials & Interfaces, 2011, 3, 3633-3637.	8.0	109
47	SELF-ASSEMBLEDCERAMICSPRODUCED BYCOMPLEX-FLUIDTEMPLATION. Annual Review of Physical Chemistry, 2000, 51, 601-622.	10.8	108
48	Reversible-growth model: Cluster-cluster aggregation with finite binding energies. Physical Review A, 1987, 36, 5015-5019.	2.5	107
49	Template-Directed Assembly of ade NovoDesigned Protein. Journal of the American Chemical Society, 2002, 124, 6846-6848.	13.7	103
50	Evolution from Surface-Influenced to Bulk-Like Dynamics in Nanoscopically Confined Water. Journal of Physical Chemistry B, 2009, 113, 7973-7976.	2.6	97
51	Electrochemical Performance of Graphene as Effected by Electrode Porosity and Graphene Functionalization. Electroanalysis, 2010, 22, 2834-2841.	2.9	94
52	Strainâ€induced crystallization and mechanical properties of functionalized graphene sheetâ€filled natural rubber. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 718-723.	2.1	94
53	High Surface Area Tapes Produced with Functionalized Graphene. ACS Nano, 2011, 5, 5214-5222.	14.6	91
54	Simultaneous momentum, heat and mass transfer with chemical reaction in a disordered porous medium: application to binder removal from a ceramic green body. Chemical Engineering Science, 1990, 45, 1719-1731.	3.8	90

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55	Multifunctional elastomer nanocomposites with functionalized graphene single sheets. Journal of Polymer Science, Part B: Polymer Physics, 2012, 50, 910-916.	2.1	88
56	Electromechanical Behavior of PZTâ€Brass Unimorphs. Journal of the American Ceramic Society, 1999, 82, 1733-1740.	3.8	87
57	On the Electrochemical Response of Porous Functionalized Graphene Electrodes. Journal of Physical Chemistry C, 2013, 117, 16076-16086.	3.1	86
58	Enhanced Thermal Decomposition of Nitromethane on Functionalized Graphene Sheets: Ab Initio Molecular Dynamics Simulations. Journal of the American Chemical Society, 2012, 134, 19011-19016.	13.7	83
59	Dispersion Stability of Functionalized Graphene in Aqueous Sodium Dodecyl Sulfate Solutions. Langmuir, 2013, 29, 14831-14838.	3.5	83
60	Porphyrin Amphiphiles as Templates for the Nucleation of Calcium Carbonate. Journal of the American Chemical Society, 1997, 119, 5449-5450.	13.7	82
61	Densities of SiO2-Al2O3Melts. Journal of the American Ceramic Society, 1979, 62, 332-336.	3.8	79
62	Local Voltage Drop in a Single Functionalized Graphene Sheet Characterized by Kelvin Probe Force Microscopy. Nano Letters, 2011, 11, 3543-3549.	9.1	79
63	Supercapacitor Electrodes Produced through Evaporative Consolidation of Graphene Oxide-Water-Ionic Liquid Gels. Journal of the Electrochemical Society, 2013, 160, A1653-A1660.	2.9	74
64	Fractal colloidal aggregates with finite interparticle interactions: Energy dependence of the fractal dimension. Physical Review A, 1990, 41, 3206-3213.	2.5	72
65	Anomalous Capacitance Maximum of the Glassy Carbonâ€“Ionic Liquid Interface through Dilution with Organic Solvents. Journal of Physical Chemistry Letters, 2015, 6, 2644-2648.	4.6	69
66	Phase diagrams of charged colloidal particles. Journal of Chemical Physics, 1987, 86, 5127-5132.	3.0	62
67	Processing of Silicon Carbide-Mullite-Alumina Nanocomposites. Journal of the American Ceramic Society, 1995, 78, 479-486.	3.8	62
68	Concentration Fluctuations and Capacitive Response in Dense Ionic Solutions. Journal of Physical Chemistry Letters, 2016, 7, 2333-2338.	4.6	60
69	Topographical Evolution of Lead Zirconate Titanate (PZT) Thin Films Patterned by Micromolding in Capillaries. Journal of Physical Chemistry B, 2003, 107, 4261-4268.	2.6	59
70	Buckling of dielectric elastomeric plates for soft, electrically active microfluidic pumps. Soft Matter, 2014, 10, 4789-4794.	2.7	56
71	Structure and formation of twins in the orthorhombic YBa2Cu3O7-x. Physica C: Superconductivity and Its Applications, 1988, 152, 161-170.	1.2	54
72	Nacre of Abalone Shell: a Natural Multifunctional Nanolaminated Ceramic-Polymer Composite Material. Results and Problems in Cell Differentiation, 1992, 19, 1-26.	0.7	51

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73	Disorderâ^'Order Transition in Mesoscopic Silica Thin Films. Chemistry of Materials, 2000, 12, 1536-1548.	6.7	50
74	Adsorption of Sodium Dodecyl Sulfate on Functionalized Graphene Measured by Conductometric Titration. Journal of Physical Chemistry B, 2013, 117, 7950-7958.	2.6	49
75	Intrinsic Capacitance and Redox Activity of Functionalized Graphene Sheets. Journal of Physical Chemistry C, 2011, 115, 20326-20334.	3.1	47
76	Four-Fold Increase in the Intrinsic Capacitance of Graphene through Functionalization and Lattice Disorder. Journal of Physical Chemistry C, 2015, 119, 20369-20378.	3.1	46
77	Hierarchical Structureâ^'Ferroelectricity Relationships of Barium Titanate Particles. Crystal Growth and Design, 2001, 1, 401-419.	3.0	45
78	Sedimentation in flocculating colloidal suspensions. Journal of Materials Research, 1994, 9, 451-461.	2.6	44
79	Use of dielectric functions in the theory of dispersion forces. Physical Review B, 2005, 71, .	3.2	44
80	Aggregation of colloidal particles with a finite interparticle attraction energy. Journal of Statistical Physics, 1991, 62, 961-984.	1.2	43
81	Functionalization of Graphene Oxide by Tetrazine Derivatives: A Versatile Approach toward Covalent Bridges between Graphene Sheets. Chemistry of Materials, 2015, 27, 4298-4310.	6.7	43
82	Effect of a Transverse Tensile Stress on the Electricâ€Fieldâ€Induced Domain Reorientation in Soft PZT: In Situ XRD Study. Journal of the American Ceramic Society, 2002, 85, 844-850.	3.8	42
83	Theory of oxygen diffusion in theYBa2Cu3O7â^'xsuperconducting compound. Physical Review B, 1990, 42, 4244-4254.	3.2	41
84	Electromechanical Properties of a Ceramic d₃₁â€Gradient Flextensional Actuator. Journal of the American Ceramic Society, 2001, 84, 996-1003.	3.8	41
85	Decomposition of Mullite. Journal of the American Ceramic Society, 1972, 55, 98-101.	3.8	38
86	Elastic Properties and Structure of Interpenetrating Boron Carbide/Aluminum Multiphase Composites. Journal of the American Ceramic Society, 1999, 82, 1263-1268.	3.8	38
87	Electrochemical Sensing of Nitric Oxide with Functionalized Graphene Electrodes. ACS Applied Materials & Interfaces, 2013, 5, 12624-12630.	8.0	38
88	Optical transmission in highly concentrated dispersions. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 1998, 15, 932.	1.5	37
89	Self-Healing of Surfactant Surface Micelles on Millisecond Time Scales. Journal of the American Chemical Society, 2006, 128, 12378-12379.	13.7	37
90	Surfactant Aggregates at Rough Solidâ^'Liquid Interfaces. Journal of Physical Chemistry B, 2007, 111, 8708-8712.	2.6	37

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91	Tuning of structural color using a dielectric actuator and multifunctional compliant electrodes. Applied Optics, 2010, 49, 6689.	2.1	37
92	Patterning Proteins and Cells Using Two-Dimensional Arrays of Colloids. Langmuir, 2003, 19, 513-518.	3.5	36
93	Clustering of binary colloidal suspensions: Experiment. Journal of Colloid and Interface Science, 1991, 142, 357-368.	9.4	35
94	Nanoscale Patterning of Barium Titanate on Block Copolymers. Langmuir, 1997, 13, 3866-3870.	3.5	34
95	Scaling Analysis for the Axial Displacement and Pressure of Flextensional Transducers. Journal of the American Ceramic Society, 1997, 80, 1073-1078.	3.8	34
96	Anisotropic Adsorption of Molecular Assemblies on Crystalline Surfaces. Journal of Physical Chemistry B, 2006, 110, 16624-16632.	2.6	34
97	Inhibition and Promotion of Copper Corrosion by CTAB in a Microreactor System. Langmuir, 2008, 24, 14269-14275.	3.5	33
98	Structure and Energetics of Thin Film Water. Journal of Physical Chemistry C, 2011, 115, 4624-4635.	3.1	33
99	Sintering with Rigid Inclusions: Pair Interactions. Journal of the American Ceramic Society, 1990, 73, 54-60.	3.8	31
100	Microchannel Molding: A Soft Lithography-inspired Approach to Micrometer-scale Patterning. Journal of Materials Research, 2005, 20, 1995-2003.	2.6	30
101	Reaction Sequencing During Processing of the 123 Superconductor. Journal of the American Ceramic Society, 1989, 72, 1977-1979.	3.8	27
102	High Selectivity of Porous Graphene Electrodes Solely Due to Transport and Pore Depletion Effects. Journal of Physical Chemistry C, 2014, 118, 22635-22642.	3.1	25
103	Symposium for Mullite Processing, Structure, and Properties. Journal of the American Ceramic Society, 1991, 74, 2341-2341.	3.8	24
104	Equilibrium-State Density Profiles of Centrifuged Cakes. Journal of the American Ceramic Society, 1994, 77, 540-546.	3.8	24
105	Orientational Order of Molecular Assemblies on Rough Surfaces. Journal of Physical Chemistry C, 2008, 112, 14902-14906.	3.1	23
106	Non-Peptide Polymeric Silicatein Î± Mimic for Neutral pH Catalysis in the Formation of Silica. Macromolecules, 2007, 40, 5710-5717.	4.8	21
107	Quantitative Analysis of Hierarchical Pores in Powder Compact. Journal of the Ceramic Society of Japan, 1990, 98, 126-135.	1.3	20
108	Structural rearrangement and dispersion of functionalized graphene sheets in aqueous solutions. Colloids and Interface Science Communications, 2015, 8, 1-5.	4.1	20

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109	Clustering of binary colloidal suspensions: Theory. Journal of Colloid and Interface Science, 1991, 142, 369-377.	9.4	18
110	Elimination of an isolated pore: Effect of grain size. Journal of Materials Research, 1995, 10, 1000-1015.	2.6	18
111	The stability of binary charged colloidal crystals. Journal of Chemical Physics, 1989, 90, 4506-4512.	3.0	17
112	Functionalized graphene sheet as a dispersible fuel additive for catalytic decomposition of methylcyclohexane. Combustion and Flame, 2020, 217, 212-221.	5.2	16
113	Solvothermal removal of the organic template from L 3 (â€œspongeâ€) templated silica monoliths. Journal of Nanoparticle Research, 2006, 8, 603-614.	1.9	15
114	Thermodynamics of densification of powder compact. Ceramics International, 2009, 35, 2667-2674.	4.8	15
115	Structure-Dependent Electrochemistry of Reduced Graphene Oxide Monolayers. Journal of the Electrochemical Society, 2016, 163, H491-H498.	2.9	14
116	Barium Titanate Nanoparticles in Block Copolymer. Langmuir, 2001, 17, 7656-7663.	3.5	13
117	Inhibition of Aluminum Oxyhydroxide Precipitation with Citric Acid. Langmuir, 2005, 21, 11690-11695.	3.5	13
118	Structure-Mechanical Property Relationships In A Biological Ceramic-Polymer Composite: Nacre. Materials Research Society Symposia Proceedings, 1991, 255, 171.	0.1	12
119	Detection of water-ice transition using a lead zirconate titanate/brass transducer. Journal of Applied Physics, 2002, 92, 106-111.	2.5	12
120	The Stability ofL3Sponge Phase in Acidic Solutions. Langmuir, 2006, 22, 4060-4064.	3.5	12
121	Tip-Induced Orientational Order of Surfactant Micelles on Gold. Langmuir, 2008, 24, 626-631.	3.5	12
122	Intrinsic Catalytic Activity of Graphene Defects for the Co^{II/III}(bpy)₃ Dye-Sensitized Solar Cell Redox Mediator. ACS Applied Materials & Interfaces, 2016, 8, 9134-9141.	8.0	12
123	Energetics of Defects on Graphene through Fluorination. ChemSusChem, 2014, 7, 1295-1300.	6.8	10
124	Imaging Of Hierarchically Structured Materials. Materials Research Society Symposia Proceedings, 1991, 255, 293.	0.1	9
125	Absorption length for photon propagation in highly dense colloidal dispersions. Journal of Materials Research, 1998, 13, 3463-3467.	2.6	9
126	Nanocomposite Mullite/Mullite Powders by Spray Pyrolysis. Journal of Nanoparticle Research, 1999, 1, 127-130.	1.9	9

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127	A Hierarchically Structured Model Composite: A Tem Study of the Hard Tissue of Red Abalone. Materials Research Society Symposia Proceedings, 1991, 255, 9.	0.1	8
128	Heteroflocculation in Binary Colloidal Suspensions: Monte Carlo Simulations. Journal of the American Ceramic Society, 1996, 79, 2587-2591.	3.8	8
129	Enhanced Fuel Decomposition in the Presence of Colloidal Functionalized Graphene Sheet-Supported Platinum Nanoparticles. ACS Applied Energy Materials, 2020, 3, 7637-7648.	5.1	8
130	Hydrothermal Processing of BaTiO3/Polymer Films. Materials Research Society Symposia Proceedings, 1994, 346, 63.	0.1	7
131	Silica Monoliths Templated on L3Liquid Crystal. Langmuir, 2006, 22, 325-331.	3.5	7
132	Electric-Field-Induced Orientation of Surfactant-Templated Nanoscopic Silica. Langmuir, 2007, 23, 8156-8162.	3.5	7
133	Autonomous colloidal crystallization in a galvanic microreactor. Journal of Applied Physics, 2012, 112, .	2.5	7
134	Dehydrated Sucrose Nanoparticles as Spacers for Grapheneâ€“Ionic Liquid Supercapacitor Electrodes. ACS Sustainable Chemistry and Engineering, 2016, 4, 7167-7174.	6.7	7
135	Multifunctional Graphene-Based Additives for Enhanced Combustion of Cracked Hydrocarbon Fuels under Supercritical Conditions. Combustion Science and Technology, 2020, 192, 1420-1435.	2.3	7
136	Colloidal Consolidation and Sintering Behavior of CVD-Processed Mullite Powders. , 1987, , 611-622.		7
137	Dissolution dynamics of thin films measured by optical reflectance. Journal of Chemical Physics, 2009, 131, 244710.	3.0	6
138	Work of Adhesion Measurements by a Periodic Cracking Technique. , 1981, , 641-649.		6
139	Mechanical Properties of Colloidal Gels Subject to Particle Rearrangement. Materials Research Society Symposia Proceedings, 1990, 195, 477.	0.1	4
140	Directed Motion of Colloidal Particles in a Galvanic Microreactor. Langmuir, 2013, 29, 2498-2505.	3.5	4
141	Ceramic Processing using Inorganic Polymers. Materials Research Society Symposia Proceedings, 1989, 155, 155.	0.1	3
142	Equilibrium-State Density Profiles of Centrifuged Cakes of Flocculated Suspensions. Materials Research Society Symposia Proceedings, 1992, 289, 251.	0.1	3
143	Multifunctional and Low-Density Inorganic Nanocomposites. Jom, 2012, 64, 226-233.	1.9	3
144	Determination of Phase Diagrams using Diffusion Techniques. , 1975, , 433-444.		3

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145	Monte Carlo Simulation of Adsorption of Di-Block Copolymers. Materials Research Society Symposia Proceedings, 1988, 140, 431.	0.1	2
146	Nanobiosensors: Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity Small 11/2010. Small, 2010, 6, n/a-n/a.	10.0	2
147	PHONON-INDUCED ANISOTROPIC DISPERSION FORCES ON A METALLIC SUBSTRATE. Nano LIFE, 2012, 02, 1240001.	0.9	2
148	Cementation of Colloidal Particles on Electrodes in a Galvanic Microreactor. ACS Applied Materials & Interfaces, 2013, 5, 6346-6353.	8.0	2
149	Influence of atmospheric species on the electrical properties of functionalized graphene sheets. RSC Advances, 2018, 8, 42073-42079.	3.6	2
150	The breakup of the intermediate gold aggregates. Proceedings Annual Meeting Electron Microscopy Society of America, 1995, 53, 196-197.	0.0	2
151	Dispersion of Small Ceramic Particles (Al ₂ O ₃) with Azotobacter vinelandii. Applied and Environmental Microbiology, 1992, 58, 3130-3135.	3.1	2
152	Potential Distribution in Functionalized Graphene Devices Probed by Kelvin Probe Force Microscopy. AIP Conference Proceedings, 2011, , .	0.4	1
153	High-Rate Li+Storage Capacity of Surfactant-Templated Graphene-TiO2Nanocomposites. Journal of the Electrochemical Society, 2015, 162, A1566-A1573.	2.9	1
154	High Resolution Electron Microscopic Characterization of Interfaces in Ceramics. , 1985, , 167-178.		1
155	A study on the formation of hydrothermally prepared BaTiO3 particles. Proceedings Annual Meeting Electron Microscopy Society of America, 1992, 50, 304-305.	0.0	1
156	Liquid Crystal-Like Phase Separation in Systems of Macroscopic Rods. Materials Research Society Symposia Proceedings, 1988, 134, 27.	0.1	0
157	Sintering Behavior of an Isolated Pore: Monte Carlo Simulation. Materials Research Society Symposia Proceedings, 1988, 138, 125.	0.1	0
158	Removal of Processing Aids from Ceramic/Polymer Composites. Materials Research Society Symposia Proceedings, 1989, 155, 171.	0.1	0
159	Packing and Structure in Systems Containing Rod-Like Particles. Materials Research Society Symposia Proceedings, 1989, 155, 331.	0.1	0
160	Stability of a Binary Colloidal Suspension and its effect on Colloidal Processing. Materials Research Society Symposia Proceedings, 1989, 155, 73.	0.1	0
161	Mechanism of Twin Formation During the Tetragonal to Orthorhombic Transformation In Yba2Cu3O7-X. Materials Research Society Symposia Proceedings, 1989, 169, 805.	0.1	0
162	Disordered mesoporous silicates formed by templation of a liquid crystal (L3). Materials Research Society Symposia Proceedings, 2000, 658, 751.	0.1	0

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163	Synthesis of CaCO3 Thin Films via a Bioinspired Strategy: Cooperative Template-Inhibition. Microscopy and Microanalysis, 2000, 6, 1070-1071.	0.4	0
164	An Amorphous to Crystalline Transition in the Formation of CaCO3Thin Films. Microscopy and Microanalysis, 2000, 6, 1072-1073.	0.4	0
165	Mullite Phase Separation in Nanocomposite Powders. Proceedings Annual Meeting Electron Microscopy Society of America, 1996, 54, 232-233.	0.0	0