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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.

165 papers	28,472 citations	63 h-index	168 g-index
168 ext. papers	29,981 ext. citations	6.3 avg, IF	6.86 L-index

#	Paper	IF	Citations
165	Raman spectra of graphite oxide and functionalized graphene sheets. <i>Nano Letters</i> , 2008 , 8, 36-41	11.5	3540
164	Single Sheet Functionalized Graphene by Oxidation and Thermal Expansion of Graphite. <i>Chemistry of Materials</i> , 2007 , 19, 4396-4404	9.6	2986
163	Functionalized single graphene sheets derived from splitting graphite oxide. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 8535-9	3.4	2925
162	Self-assembled TiO ₂ -graphene hybrid nanostructures for enhanced Li-ion insertion. <i>ACS Nano</i> , 2009 , 3, 907-14	16.7	1517
161	Glucose oxidase-graphene-chitosan modified electrode for direct electrochemistry and glucose sensing. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 901-5	11.8	1026
160	Functionalized graphene as a catalytic counter electrode in dye-sensitized solar cells. <i>ACS Nano</i> , 2010 , 4, 6203-11	16.7	984
159	Nitrogen-doped graphene and its electrochemical applications. <i>Journal of Materials Chemistry</i> , 2010 , 20, 7491		934
158	Hierarchically porous graphene as a lithium-air battery electrode. <i>Nano Letters</i> , 2011 , 11, 5071-8	11.5	871
157	Ternary self-assembly of ordered metal oxide-graphene nanocomposites for electrochemical energy storage. <i>ACS Nano</i> , 2010 , 4, 1587-95	16.7	731
156	Scaling behavior of the elastic properties of colloidal gels. <i>Physical Review A</i> , 1990 , 42, 4772-4779	2.6	657
155	Enhanced activity and stability of Pt catalysts on functionalized graphene sheets for electrocatalytic oxygen reduction. <i>Electrochemistry Communications</i> , 2009 , 11, 954-957	5.1	562
154	Mullite for Structural, Electronic, and Optical Applications. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2343-2358	3.8	535
153	Stability of Aqueous γ -Al ₂ O ₃ Suspensions with Poly(methacrylic acid) Polyelectrolyte. <i>Journal of the American Ceramic Society</i> , 1988 , 71, 250-255	3.8	506
152	Oxygen-driven unzipping of graphitic materials. <i>Physical Review Letters</i> , 2006 , 96, 176101	7.4	477
151	A graphene-based electrochemical sensor for sensitive detection of paracetamol. <i>Talanta</i> , 2010 , 81, 754-762	4.2	443
150	Sensitive immunosensor for cancer biomarker based on dual signal amplification strategy of graphene sheets and multienzyme functionalized carbon nanospheres. <i>Analytical Chemistry</i> , 2010 , 82, 2989-95	7.8	404
149	Processing of Highly Concentrated Aqueous γ -Alumina Suspensions Stabilized with Polyelectrolytes. <i>Journal of the American Ceramic Society</i> , 1988 , 71, 1062-1067	3.8	390

148	Glucose biosensor based on immobilization of glucose oxidase in platinum nanoparticles/graphene/chitosan nanocomposite film. <i>Talanta</i> , 2009 , 80, 403-6	6.2	368
147	Stabilization of electrocatalytic metal nanoparticles at metal-metal oxide-graphene triple junction points. <i>Journal of the American Chemical Society</i> , 2011 , 133, 2541-7	16.4	352
146	Structural Design of Cathodes for Li-S Batteries. <i>Advanced Energy Materials</i> , 2015 , 5, 1500124	21.8	342
145	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. <i>Chemistry of Materials</i> , 2011 , 23, 1079-1081	9.6	342
144	Graphene materials and their use in dye-sensitized solar cells. <i>Chemical Reviews</i> , 2014 , 114, 6323-48	68.1	331
143	Sandwich-type functionalized graphene sheet-sulfur nanocomposite for rechargeable lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 7660-5	3.6	324
142	Constraint of DNA on functionalized graphene improves its biostability and specificity. <i>Small</i> , 2010 , 6, 1205-9	11	305
141	Biomimetic Synthesis of Macroscopic-Scale Calcium Carbonate Thin Films. Evidence for a Multistep Assembly Process. <i>Journal of the American Chemical Society</i> , 1998 , 120, 11977-11985	16.4	250
140	Intercalation and stitching of graphite oxide with diaminoalkanes. <i>Langmuir</i> , 2007 , 23, 10644-9	4	222
139	Factors controlling the size of graphene oxide sheets produced via the graphite oxide route. <i>ACS Nano</i> , 2011 , 5, 4073-83	16.7	206
138	Functionalized graphene sheets as a versatile replacement for platinum in dye-sensitized solar cells. <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2794-800	9.5	195
137	Functionalized graphene sheet colloids for enhanced fuel/propellant combustion. <i>ACS Nano</i> , 2009 , 3, 3945-54	16.7	185
136	Cure depth in photopolymerization: Experiments and theory. <i>Journal of Materials Research</i> , 2001 , 16, 3536-3544	2.5	183
135	Consolidation Behavior of Flocculated Alumina Suspensions. <i>Journal of the American Ceramic Society</i> , 1992 , 75, 3305-3314	3.8	170
134	Self-Assembly Structures of Nonionic Surfactants at Graphite/Solution Interfaces. <i>Langmuir</i> , 1997 , 13, 4349-4356	4	168
133	Bending properties of single functionalized graphene sheets probed by atomic force microscopy. <i>ACS Nano</i> , 2008 , 2, 2577-84	16.7	167
132	Size dependence of the ferroelectric transition of small BaTiO ₃ particles: Effect of depolarization. <i>Physical Review B</i> , 1994 , 50, 15575-15585	3.3	157
131	Continuous crystalline carbonate apatite thin films. A biomimetic approach. <i>Journal of the American Chemical Society</i> , 2001 , 123, 2196-203	16.4	154

- 130 Surface Micellization Patterns of Quaternary Ammonium Surfactants on Mica. *Langmuir*, **1999**, 15, 1685-1692 152
- 129 Spinel Phase Formation During the 980°C Exothermic Reaction in the Kaolinite-to-Mullite Reaction Series. *Journal of the American Ceramic Society*, **1987**, 70, 837-842 3.8 141
- 128 Simultaneous liquid viscosity and density determination with piezoelectric unimorph cantilevers. *Journal of Applied Physics*, **2001**, 89, 1497-1505 2.5 138
- 127 Effect of surface polarity on the structure and dynamics of water in nanoscale confinement. *Journal of Physical Chemistry B*, **2009**, 113, 1438-46 3.4 126
- 126 Elastic and Yield Behavior of Strongly Flocculated Colloids. *Journal of the American Ceramic Society*, **2004**, 82, 616-624 3.8 121
- 125 Mullitization of Diphasic Aluminosilicate Gels. *Journal of the American Ceramic Society*, **1991**, 74, 2388-2398 3.8 114
- 124 Reversible-growth model: Cluster-cluster aggregation with finite binding energies. *Physical Review A*, **1987**, 36, 5015-5019 2.6 102
- 123 Self-assembled ceramics produced by complex-fluid templation. *Annual Review of Physical Chemistry*, **2000**, 51, 601-22 15.7 99
- 122 The effect of degree of reduction on the electrical properties of functionalized graphene sheets. *Applied Physics Letters*, **2013**, 102, 023114 3.4 98
- 121 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 3.8 97
- 120 Template-directed assembly of a de novo designed protein. *Journal of the American Chemical Society*, **2002**, 124, 6846-8 16.4 96
- 119 Structure Evolution in Hydrothermally Processed (. *Journal of the American Ceramic Society*, **1996**, 79, 239-247 3.8 96
- 118 Dielectric elastomer actuators with elastomeric electrodes. *Applied Physics Letters*, **2012**, 101, 091907 3.4 95
- 117 Graphene-polypyrrole nanocomposite as a highly efficient and low cost electrically switched ion exchanger for removing ClO₂ from wastewater. *ACS Applied Materials & Interfaces*, **2011**, 3, 3633-7 9.5 89
- 116 Evolution from surface-influenced to bulk-like dynamics in nanoscopically confined water. *Journal of Physical Chemistry B*, **2009**, 113, 7973-6 3.4 88
- 115 Electrochemical Performance of Graphene as Effected by Electrode Porosity and Graphene Functionalization. *Electroanalysis*, **2010**, 22, 2834-2841 3 87
- 114 High surface area tapes produced with functionalized graphene. *ACS Nano*, **2011**, 5, 5214-22 16.7 83
- 113 Strain-induced crystallization and mechanical properties of functionalized graphene sheet-filled natural rubber. *Journal of Polymer Science, Part B: Polymer Physics*, **2012**, 50, 718-723 2.6 81

112	Electromechanical Behavior of PZT-Brass Unimorphs. <i>Journal of the American Ceramic Society</i> , 1999 , 82, 1733-1740	3.8	78
111	Porphyrim Amphiphiles as Templates for the Nucleation of Calcium Carbonate. <i>Journal of the American Chemical Society</i> , 1997 , 119, 5449-5450	16.4	77
110	Simultaneous momentum, heat and mass transfer with chemical reaction in a disordered porous medium: application to binder removal from a ceramic green body. <i>Chemical Engineering Science</i> , 1990 , 45, 1719-1731	4.4	77
109	Local voltage drop in a single functionalized graphene sheet characterized by Kelvin probe force microscopy. <i>Nano Letters</i> , 2011 , 11, 3543-9	11.5	75
108	On the Electrochemical Response of Porous Functionalized Graphene Electrodes. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 16076-16086	3.8	74
107	Multifunctional elastomer nanocomposites with functionalized graphene single sheets. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012 , 50, 910-916	2.6	73
106	Enhanced thermal decomposition of nitromethane on functionalized graphene sheets: ab initio molecular dynamics simulations. <i>Journal of the American Chemical Society</i> , 2012 , 134, 19011-6	16.4	72
105	Dispersion stability of functionalized graphene in aqueous sodium dodecyl sulfate solutions. <i>Langmuir</i> , 2013 , 29, 14831-8	4	71
104	Densities of SiO ₂ -Al ₂ O ₃ Melts. <i>Journal of the American Ceramic Society</i> , 1979 , 62, 332-336	3.8	70
103	Fractal colloidal aggregates with finite interparticle interactions: Energy dependence of the fractal dimension. <i>Physical Review A</i> , 1990 , 41, 3206-3213	2.6	69
102	Phase diagrams of charged colloidal particles. <i>Journal of Chemical Physics</i> , 1987 , 86, 5127-5132	3.9	58
101	Supercapacitor Electrodes Produced through Evaporative Consolidation of Graphene Oxide-Water-Ionic Liquid Gels. <i>Journal of the Electrochemical Society</i> , 2013 , 160, A1653-A1660	3.9	54
100	Topographical Evolution of Lead Zirconate Titanate (PZT) Thin Films Patterned by Micromolding in Capillaries. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4261-4268	3.4	53
99	Processing of Silicon Carbide-Mullite-Alumina Nanocomposites. <i>Journal of the American Ceramic Society</i> , 1995 , 78, 479-486	3.8	53
98	Structure and formation of twins in the orthorhombic YBa ₂ Cu ₃ O _{7-x} . <i>Physica C: Superconductivity and Its Applications</i> , 1988 , 152, 161-170	1.3	52
97	Concentration Fluctuations and Capacitive Response in Dense Ionic Solutions. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 2333-8	6.4	51
96	Anomalous Capacitance Maximum of the Glassy Carbon-Ionic Liquid Interface through Dilution with Organic Solvents. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 2644-8	6.4	49
95	Buckling of dielectric elastomeric plates for soft, electrically active microfluidic pumps. <i>Soft Matter</i> , 2014 , 10, 4789-94	3.6	48

94	Adsorption of sodium dodecyl sulfate on functionalized graphene measured by conductometric titration. <i>Journal of Physical Chemistry B</i> , 2013 , 117, 7950-8	3.4	45
93	Use of dielectric functions in the theory of dispersion forces. <i>Physical Review B</i> , 2005 , 71,	3.3	43
92	Disorder-Order Transition in Mesoscopic Silica Thin Films. <i>Chemistry of Materials</i> , 2000 , 12, 1536-1548	9.6	43
91	Hierarchical Structure-Ferroelectricity Relationships of Barium Titanate Particles. <i>Crystal Growth and Design</i> , 2001 , 1, 401-419	3.5	43
90	Nacre of abalone shell: a natural multifunctional nanolaminated ceramic-polymer composite material. <i>Results and Problems in Cell Differentiation</i> , 1992 , 19, 1-26	1.4	42
89	Intrinsic Capacitance and Redox Activity of Functionalized Graphene Sheets. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 20326-20334	3.8	41
88	Sedimentation in flocculating colloidal suspensions. <i>Journal of Materials Research</i> , 1994 , 9, 451-461	2.5	40
87	Aggregation of colloidal particles with a finite interparticle attraction energy. <i>Journal of Statistical Physics</i> , 1991 , 62, 961-984	1.5	40
86	Four-Fold Increase in the Intrinsic Capacitance of Graphene through Functionalization and Lattice Disorder. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 20369-20378	3.8	38
85	Electromechanical Properties of a Ceramic d31-Gradient Flextensional Actuator. <i>Journal of the American Ceramic Society</i> , 2001 , 84, 996-1003	3.8	38
84	Theory of oxygen diffusion in the YBa ₂ Cu ₃ O _{7-x} superconducting compound. <i>Physical Review B</i> , 1990 , 42, 4244-4254	3.3	38
83	Self-healing of surfactant surface micelles on millisecond time scales. <i>Journal of the American Chemical Society</i> , 2006 , 128, 12378-9	16.4	36
82	Patterning Proteins and Cells Using Two-Dimensional Arrays of Colloids. <i>Langmuir</i> , 2003 , 19, 513-518	4	36
81	Tuning of structural color using a dielectric actuator and multifunctional compliant electrodes. <i>Applied Optics</i> , 2010 , 49, 6689-96	0.2	35
80	Surfactant aggregates at rough solid-liquid interfaces. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 8708-13	4	34
79	Effect of a Transverse Tensile Stress on the Electric-Field-Induced Domain Reorientation in Soft PZT: In Situ XRD Study. <i>Journal of the American Ceramic Society</i> , 2004 , 85, 844-850	3.8	34
78	Decomposition of Mullite. <i>Journal of the American Ceramic Society</i> , 1972 , 55, 98-101	3.8	34
77	Electrochemical sensing of nitric oxide with functionalized graphene electrodes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 12624-30	9.5	33

76	Clustering of binary colloidal suspensions: Experiment. <i>Journal of Colloid and Interface Science</i> , 1991 , 142, 357-368	9.3	33
75	Elastic Properties and Structure of Interpenetrating Boron Carbide/Aluminum Multiphase Composites. <i>Journal of the American Ceramic Society</i> , 2004 , 82, 1263-1268	3.8	32
74	Nanoscale Patterning of Barium Titanate on Block Copolymers. <i>Langmuir</i> , 1997 , 13, 3866-3870	4	31
73	Inhibition and promotion of copper corrosion by CTAB in a microreactor system. <i>Langmuir</i> , 2008 , 24, 14269-75	4	31
72	Anisotropic adsorption of molecular assemblies on crystalline surfaces. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 16624-32	3.4	31
71	Optical transmission in highly concentrated dispersions. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 1998 , 15, 932	1.8	31
70	Functionalization of Graphene Oxide by Tetrazine Derivatives: A Versatile Approach toward Covalent Bridges between Graphene Sheets. <i>Chemistry of Materials</i> , 2015 , 27, 4298-4310	9.6	30
69	Structure and Energetics of Thin Film Water. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4624-4635	3.8	30
68	Scaling Analysis for the Axial Displacement and Pressure of Flexensional Transducers. <i>Journal of the American Ceramic Society</i> , 2005 , 80, 1073-1078	3.8	30
67	Microchannel molding: A soft lithography-inspired approach to micrometer-scale patterning. <i>Journal of Materials Research</i> , 2005 , 20, 1995-2003	2.5	29
66	Sintering with Rigid Inclusions: Pair Interactions. <i>Journal of the American Ceramic Society</i> , 1990 , 73, 54-60	3.8	26
65	High Selectivity of Porous Graphene Electrodes Solely Due to Transport and Pore Depletion Effects. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22635-22642	3.8	22
64	Symposium for Mullite Processing, Structure, and Properties. <i>Journal of the American Ceramic Society</i> , 1991 , 74, 2341-2341	3.8	22
63	Reaction Sequencing During Processing of the 123 Superconductor. <i>Journal of the American Ceramic Society</i> , 1989 , 72, 1977-1979	3.8	22
62	Orientational Order of Molecular Assemblies on Rough Surfaces. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 14902-14906	3.8	21
61	Equilibrium-State Density Profiles of Centrifuged Cakes. <i>Journal of the American Ceramic Society</i> , 1994 , 77, 540-546	3.8	21
60	Non-Peptide Polymeric Silicatein Mimic for Neutral pH Catalysis in the Formation of Silica. <i>Macromolecules</i> , 2007 , 40, 5710-5717	5.5	20
59	Quantitative Analysis of Hierarchical Pores in Powder Compact. <i>Journal of the Ceramic Society of Japan</i> , 1990 , 98, 126-135		19

58	Clustering of binary colloidal suspensions: Theory. <i>Journal of Colloid and Interface Science</i> , 1991 , 142, 369-377	9.3	18
57	Elimination of an isolated pore: Effect of grain size. <i>Journal of Materials Research</i> , 1995 , 10, 1000-1015	2.5	16
56	The stability of binary charged colloidal crystals. <i>Journal of Chemical Physics</i> , 1989 , 90, 4506-4512	3.9	16
55	Structural rearrangement and dispersion of functionalized graphene sheets in aqueous solutions. <i>Colloids and Interface Science Communications</i> , 2015 , 8, 1-5	5.4	15
54	Thermodynamics of densification of powder compact. <i>Ceramics International</i> , 2009 , 35, 2667-2674	5.1	13
53	Inhibition of aluminum oxyhydroxide precipitation with citric acid. <i>Langmuir</i> , 2005 , 21, 11690-5	4	13
52	Barium Titanate Nanoparticles in Block Copolymer. <i>Langmuir</i> , 2001 , 17, 7656-7663	4	13
51	Structure-Dependent Electrochemistry of Reduced Graphene Oxide Monolayers. <i>Journal of the Electrochemical Society</i> , 2016 , 163, H491-H498	3.9	13
50	The stability of L3 sponge phase in acidic solutions. <i>Langmuir</i> , 2006 , 22, 4060-4	4	12
49	Intrinsic Catalytic Activity of Graphene Defects for the Co(II/III)(bpy) ₃ Dye-Sensitized Solar Cell Redox Mediator. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9134-41	9.5	11
48	Tip-induced orientational order of surfactant micelles on gold. <i>Langmuir</i> , 2008 , 24, 626-31	4	11
47	Solvothermal removal of the organic template from L 3 (Sponge) templated silica monoliths. <i>Journal of Nanoparticle Research</i> , 2006 , 8, 603-614	2.3	11
46	Detection of water-ice transition using a lead zirconate titanate/brass transducer. <i>Journal of Applied Physics</i> , 2002 , 92, 106-111	2.5	10
45	Energetics of defects on graphene through fluorination. <i>ChemSusChem</i> , 2014 , 7, 1295-300	8.3	9
44	Structure-Mechanical Property Relationships In A Biological Ceramic-Polymer Composite: Nacre. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 255, 171		9
43	Functionalized graphene sheet as a dispersible fuel additive for catalytic decomposition of methylcyclohexane. <i>Combustion and Flame</i> , 2020 , 217, 212-221	5.3	8
42	A Hierarchically Structured Model Composite: A Tem Study of the Hard Tissue of Red Abalone. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 255, 9		8
41	Heteroflocculation in Binary Colloidal Suspensions: Monte Carlo Simulations. <i>Journal of the American Ceramic Society</i> , 2005 , 79, 2587-2591	3.8	7

40	Imaging Of Hierarchically Structured Materials. <i>Materials Research Society Symposia Proceedings</i> , 1991 , 255, 293		7
39	Colloidal Consolidation and Sintering Behavior of CVD-Processed Mullite Powders 1987 , 611-622		7
38	Absorption length for photon propagation in highly dense colloidal dispersions. <i>Journal of Materials Research</i> , 1998 , 13, 3463-3467	2.5	6
37	Nanocomposite Mullite/Mullite Powders by Spray Pyrolysis. <i>Journal of Nanoparticle Research</i> , 1999 , 1, 127-130	2.3	6
36	Hydrothermal Processing of BaTiO ₃ /Polymer Films. <i>Materials Research Society Symposia Proceedings</i> , 1994 , 346, 63		6
35	Dehydrated Sucrose Nanoparticles as Spacers for Graphene/Bnnc Liquid Supercapacitor Electrodes. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 7167-7174	8.3	6
34	Dissolution dynamics of thin films measured by optical reflectance. <i>Journal of Chemical Physics</i> , 2009 , 131, 244710	3.9	5
33	Silica monoliths templated on L3 liquid crystal. <i>Langmuir</i> , 2006 , 22, 325-31	4	5
32	Work of Adhesion Measurements by a Periodic Cracking Technique 1981 , 641-649		5
31	Autonomous colloidal crystallization in a galvanic microreactor. <i>Journal of Applied Physics</i> , 2012 , 112, 074905	2.5	4
30	Electric-field-induced orientation of surfactant-templated nanoscopic silica. <i>Langmuir</i> , 2007 , 23, 8156-624		4
29	Multifunctional Graphene-Based Additives for Enhanced Combustion of Cracked Hydrocarbon Fuels under Supercritical Conditions. <i>Combustion Science and Technology</i> , 2020 , 192, 1420-1435	1.5	3
28	Multifunctional and Low-Density Inorganic Nanocomposites. <i>Jom</i> , 2012 , 64, 226-233	2.1	3
27	Mechanical Properties of Colloidal Gels Subject to Particle Rearrangement. <i>Materials Research Society Symposia Proceedings</i> , 1990 , 195, 477		3
26	Determination of Phase Diagrams using Diffusion Techniques 1975 , 433-444		3
25	Directed motion of colloidal particles in a galvanic microreactor. <i>Langmuir</i> , 2013 , 29, 2498-505	4	2
24	Cementation of colloidal particles on electrodes in a galvanic microreactor. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 6346-53	9.5	2
23	PHONON-INDUCED ANISOTROPIC DISPERSION FORCES ON A METALLIC SUBSTRATE. <i>Nano LIFE</i> , 2012 , 02, 1240001	0.9	2

22	Nanobiosensors: Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity <i>Small</i> 11/2010. <i>Small</i> , 2010 , 6, n/a-n/a	11	2
21	Equilibrium-State Density Profiles of Centrifuged Cakes of Flocculated Suspensions. <i>Materials Research Society Symposia Proceedings</i> , 1992 , 289, 251		2
20	Ceramic Processing using Inorganic Polymers. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 155, 155		2
19	Monte Carlo Simulation of Adsorption of Di-Block Copolymers. <i>Materials Research Society Symposia Proceedings</i> , 1988 , 140, 431		2
18	Dispersion of Small Ceramic Particles (Al ₂ O ₃) with <i>Azotobacter vinelandii</i> . <i>Applied and Environmental Microbiology</i> , 1992 , 58, 3130-5	4.8	2
17	The breakup of the intermediate gold aggregates. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1995 , 53, 196-197		2
16	Enhanced Fuel Decomposition in the Presence of Colloidal Functionalized Graphene Sheet-Supported Platinum Nanoparticles. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7637-7648	6.1	2
15	Potential Distribution in Functionalized Graphene Devices Probed by Kelvin Probe Force Microscopy 2011 ,		1
14	A study on the formation of hydrothermally prepared BaTiO ₃ particles. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1992 , 50, 304-305		1
13	Influence of atmospheric species on the electrical properties of functionalized graphene sheets.. <i>RSC Advances</i> , 2018 , 8, 42073-42079	3.7	1
12	High Resolution Electron Microscopic Characterization of Interfaces in Ceramics 1985 , 167-178		1
11	High-Rate Li ⁺ Storage Capacity of Surfactant-Templated Graphene-TiO ₂ Nanocomposites. <i>Journal of the Electrochemical Society</i> , 2015 , 162, A1566-A1573	3.9	0
10	Disordered mesoporous silicates formed by templation of a liquid crystal (L3). <i>Materials Research Society Symposia Proceedings</i> , 2000 , 658, 751		
9	Synthesis of CaCO ₃ Thin Films via a Bioinspired Strategy: Cooperative Template-Inhibition. <i>Microscopy and Microanalysis</i> , 2000 , 6, 1070-1071	0.5	
8	An Amorphous to Crystalline Transition in the Formation of CaCO ₃ Thin Films. <i>Microscopy and Microanalysis</i> , 2000 , 6, 1072-1073	0.5	
7	Removal of Processing Aids from Ceramic/Polymer Composites. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 155, 171		
6	Packing and Structure in Systems Containing Rod-Like Particles. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 155, 331		
5	Stability of a Binary Colloidal Suspension and its effect on Colloidal Processing. <i>Materials Research Society Symposia Proceedings</i> , 1989 , 155, 73		

- 4 Mechanism of Twin Formation During the Tetragonal to Orthorhombic Transformation In $\text{Yba}_2\text{Cu}_3\text{O}_{7-x}$. *Materials Research Society Symposia Proceedings*, **1989**, 169, 805
- 3 Liquid Crystal-Like Phase Separation in Systems of Macroscopic Rods. *Materials Research Society Symposia Proceedings*, **1988**, 134, 27
- 2 Sintering Behavior of an Isolated Pore: Monte Carlo Simulation. *Materials Research Society Symposia Proceedings*, **1988**, 138, 125
- 1 Mullite Phase Separation in Nanocomposite Powders. *Proceedings Annual Meeting Electron Microscopy Society of America*, **1996**, 54, 232-233