

Ilhan A Aksay

List of Publications by Year in descending order

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165
papers

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17776

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153
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168
all docs

168
docs citations

168
times ranked

38757
citing authors

#	ARTICLE	IF	CITATIONS
1	Raman Spectra of Graphite Oxide and Functionalized Graphene Sheets. Nano Letters, 2008, 8, 36-41.	4.5	3,995
2	Single Sheet Functionalized Graphene by Oxidation and Thermal Expansion of Graphite. Chemistry of Materials, 2007, 19, 4396-4404.	3.2	3,276
3	Functionalized Single Graphene Sheets Derived from Splitting Graphite Oxide. Journal of Physical Chemistry B, 2006, 110, 8535-8539.	1.2	3,173
4	Self-Assembled TiO ₂ Graphene Hybrid Nanostructures for Enhanced Li-Ion Insertion. ACS Nano, 2009, 3, 907-914.	7.3	1,596
5	Glucose Oxidase-graphene-chitosan modified electrode for direct electrochemistry and glucose sensing. Biosensors and Bioelectronics, 2009, 25, 901-905.	5.3	1,140
6	Functionalized Graphene as a Catalytic Counter Electrode in Dye-Sensitized Solar Cells. ACS Nano, 2010, 4, 6203-6211.	7.3	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 Lithium-Air Battery Electrode. Nano Letters, 2011, 11, 5071-5078.	4.5	943
9	Ternary Self-Assembly of Ordered Metal Oxide Graphene Nanocomposites for Electrochemical Energy Storage. ACS Nano, 2010, 4, 1587-1595.	7.3	795
10	Scaling behavior of the elastic properties of colloidal gels. Physical Review A, 1990, 42, 4772-4779.	1.0	736
11	Enhanced activity and stability of Pt catalysts on functionalized graphene sheets for electrocatalytic oxygen reduction. Electrochemistry Communications, 2009, 11, 954-957.	2.3	615
12	Mullite for Structural, Electronic, and Optical Applications. Journal of the American Ceramic Society, 1991, 74, 2343-2358.	1.9	600
13	Stability of Aqueous alpha-Al ₂ O ₃ Suspensions with Poly(methacrylic acid) Polyelectrolyte. Journal of the American Ceramic Society, 1988, 71, 250-255.	1.9	571
14	A graphene-based electrochemical sensor for sensitive detection of paracetamol. Talanta, 2010, 81, 754-759.	2.9	549
15	Oxygen-Driven Unzipping of Graphitic Materials. Physical Review Letters, 2006, 96, 176101.	2.9	524
16	Processing of Highly Concentrated Aqueous alpha-Alumina Suspensions Stabilized with Polyelectrolytes. Journal of the American Ceramic Society, 1988, 71, 1062-1067.	1.9	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.	3.2	438
18	Glucose biosensor based on immobilization of glucose oxidase in platinum nanoparticles/graphene/chitosan nanocomposite film. Talanta, 2009, 80, 403-406.	2.9	416

#	ARTICLE	IF	CITATIONS
19	Structural Design of Cathodes for Li-ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1500124.	10.2	402
20	Stabilization of Electrocatalytic Metal Nanoparticles at Metal-Metal Oxide-Graphene Triple Junction Points. <i>Journal of the American Chemical Society</i> , 2011, 133, 2541-2547.	6.6	391
21	Graphene Materials and Their Use in Dye-Sensitized Solar Cells. <i>Chemical Reviews</i> , 2014, 114, 6323-6348.	23.0	378
22	Graphene Decorated with PtAu Alloy Nanoparticles: Facile Synthesis and Promising Application for Formic Acid Oxidation. <i>Chemistry of Materials</i> , 2011, 23, 1079-1081.	3.2	366
23	Sandwich-type functionalized graphene sheet-sulfur nanocomposite for rechargeable lithium batteries. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 7660.	1.3	347
24	Constraint of DNA on Functionalized Graphene Improves its Biostability and Specificity. <i>Small</i> , 2010, 6, 1205-1209.	5.2	342
25	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.	6.6	277
26	Cure depth in photopolymerization: Experiments and theory. <i>Journal of Materials Research</i> , 2001, 16, 3536-3544.	1.2	243
27	Factors Controlling the Size of Graphene Oxide Sheets Produced via the Graphite Oxide Route. <i>ACS Nano</i> , 2011, 5, 4073-4083.	7.3	235
28	Intercalation and Stitching of Graphite Oxide with Diaminoalkanes. <i>Langmuir</i> , 2007, 23, 10644-10649.	1.6	234
29	Functionalized Graphene Sheet Colloids for Enhanced Fuel/Propellant Combustion. <i>ACS Nano</i> , 2009, 3, 3945-3954.	7.3	221
30	Functionalized Graphene Sheets as a Versatile Replacement for Platinum in Dye-Sensitized Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2794-2800.	4.0	204
31	Consolidation Behavior of Flocculated Alumina Suspensions. <i>Journal of the American Ceramic Society</i> , 1992, 75, 3305-3314.	1.9	188
32	Bending Properties of Single Functionalized Graphene Sheets Probed by Atomic Force Microscopy. <i>ACS Nano</i> , 2008, 2, 2577-2584.	7.3	187
33	Continuous Crystalline Carbonate Apatite Thin Films. A Biomimetic Approach. <i>Journal of the American Chemical Society</i> , 2001, 123, 2196-2203.	6.6	178
34	Size dependence of the ferroelectric transition of small BaTiO ₃ particles: Effect of depolarization. <i>Physical Review B</i> , 1994, 50, 15575-15585.	1.1	174
35	Self-Assembly Structures of Nonionic Surfactants at Graphite/Solution Interfaces. <i>Langmuir</i> , 1997, 13, 4349-4356.	1.6	173
36	Surface Micellization Patterns of Quaternary Ammonium Surfactants on Mica. <i>Langmuir</i> , 1999, 15, 1685-1692.	1.6	168

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37	Simultaneous liquid viscosity and density determination with piezoelectric unimorph cantilevers. Journal of Applied Physics, 2001, 89, 1497-1505.	1.1	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.	1.9	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.	1.2	143
40	Elastic and Yield Behavior of Strongly Flocculated Colloids. Journal of the American Ceramic Society, 1999, 82, 616-624.	1.9	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.	1.5	134
42	Mullitization of Diphasic Aluminosilicate Gels. Journal of the American Ceramic Society, 1991, 74, 2388-2392.	1.9	123
43	Dielectric elastomer actuators with elastomeric electrodes. Applied Physics Letters, 2012, 101, 091907.	1.5	111
44	Structure Evolution in Hydrothermally Processed (<100oC) BaTiO ₃ Films. Journal of the American Ceramic Society, 1996, 79, 239-247.	1.9	110
45	The effect of degree of reduction on the electrical properties of functionalized graphene sheets. Applied Physics Letters, 2013, 102, .	1.5	110
46	Graphene-Polypyrrole Nanocomposite as a Highly Efficient and Low Cost Electrically Switched Ion Exchanger for Removing ClO ₄ ⁻ from Wastewater. ACS Applied Materials & Interfaces, 2011, 3, 3633-3637.	4.0	109
47	SELF-ASSEMBLED CERAMICS PRODUCED BY COMPLEX-FLUID TEMPLATING. Annual Review of Physical Chemistry, 2000, 51, 601-622.	4.8	108
48	Reversible-growth model: Cluster-cluster aggregation with finite binding energies. Physical Review A, 1987, 36, 5015-5019.	1.0	107
49	Template-Directed Assembly of a de Novo Designed Protein. Journal of the American Chemical Society, 2002, 124, 6846-6848.	6.6	103
50	Evolution from Surface-Influenced to Bulk-Like Dynamics in Nanoscopically Confined Water. Journal of Physical Chemistry B, 2009, 113, 7973-7976.	1.2	97
51	Electrochemical Performance of Graphene as Effected by Electrode Porosity and Graphene Functionalization. Electroanalysis, 2010, 22, 2834-2841.	1.5	94
52	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.	2.4	94
53	High Surface Area Tapes Produced with Functionalized Graphene. ACS Nano, 2011, 5, 5214-5222.	7.3	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.	1.9	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.	2.4	88
56	Electromechanical Behavior of PZT/Brass Unimorphs. Journal of the American Ceramic Society, 1999, 82, 1733-1740.	1.9	87
57	On the Electrochemical Response of Porous Functionalized Graphene Electrodes. Journal of Physical Chemistry C, 2013, 117, 16076-16086.	1.5	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.	6.6	83
59	Dispersion Stability of Functionalized Graphene in Aqueous Sodium Dodecyl Sulfate Solutions. Langmuir, 2013, 29, 14831-14838.	1.6	83
60	Porphyrin Amphiphiles as Templates for the Nucleation of Calcium Carbonate. Journal of the American Chemical Society, 1997, 119, 5449-5450.	6.6	82
61	Densities of SiO ₂ -Al ₂ O ₃ Melts. Journal of the American Ceramic Society, 1979, 62, 332-336.	1.9	79
62	Local Voltage Drop in a Single Functionalized Graphene Sheet Characterized by Kelvin Probe Force Microscopy. Nano Letters, 2011, 11, 3543-3549.	4.5	79
63	Supercapacitor Electrodes Produced through Evaporative Consolidation of Graphene Oxide-Water-Ionic Liquid Gels. Journal of the Electrochemical Society, 2013, 160, A1653-A1660.	1.3	74
64	Fractal colloidal aggregates with finite interparticle interactions: Energy dependence of the fractal dimension. Physical Review A, 1990, 41, 3206-3213.	1.0	72
65	Anomalous Capacitance Maximum of the Glassy Carbon/Ionic Liquid Interface through Dilution with Organic Solvents. Journal of Physical Chemistry Letters, 2015, 6, 2644-2648.	2.1	69
66	Phase diagrams of charged colloidal particles. Journal of Chemical Physics, 1987, 86, 5127-5132.	1.2	62
67	Processing of Silicon Carbide-Mullite-Alumina Nanocomposites. Journal of the American Ceramic Society, 1995, 78, 479-486.	1.9	62
68	Concentration Fluctuations and Capacitive Response in Dense Ionic Solutions. Journal of Physical Chemistry Letters, 2016, 7, 2333-2338.	2.1	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.	1.2	59
70	Buckling of dielectric elastomeric plates for soft, electrically active microfluidic pumps. Soft Matter, 2014, 10, 4789-4794.	1.2	56
71	Structure and formation of twins in the orthorhombic YBa ₂ Cu ₃ O _{7-x} . Physica C: Superconductivity and Its Applications, 1988, 152, 161-170.	0.6	54
72	Nacre of Abalone Shell: a Natural Multifunctional Nanolaminated Ceramic-Polymer Composite Material. Results and Problems in Cell Differentiation, 1992, 19, 1-26.	0.2	51

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73	Disorder→Order Transition in Mesoscopic Silica Thin Films. Chemistry of Materials, 2000, 12, 1536-1548.	3.2	50
74	Adsorption of Sodium Dodecyl Sulfate on Functionalized Graphene Measured by Conductometric Titration. Journal of Physical Chemistry B, 2013, 117, 7950-7958.	1.2	49
75	Intrinsic Capacitance and Redox Activity of Functionalized Graphene Sheets. Journal of Physical Chemistry C, 2011, 115, 20326-20334.	1.5	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.	1.5	46
77	Hierarchical Structure→Ferroelectricity Relationships of Barium Titanate Particles. Crystal Growth and Design, 2001, 1, 401-419.	1.4	45
78	Sedimentation in flocculating colloidal suspensions. Journal of Materials Research, 1994, 9, 451-461.	1.2	44
79	Use of dielectric functions in the theory of dispersion forces. Physical Review B, 2005, 71, .	1.1	44
80	Aggregation of colloidal particles with a finite interparticle attraction energy. Journal of Statistical Physics, 1991, 62, 961-984.	0.5	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.	3.2	43
82	Effect of a Transverse Tensile Stress on the Electric→Field→Induced Domain Reorientation in Soft PZT: <i>In Situ</i> XRD Study. Journal of the American Ceramic Society, 2002, 85, 844-850.	1.9	42
83	Theory of oxygen diffusion in the YBa ₂ Cu ₃ O _{7-x} superconducting compound. Physical Review B, 1990, 42, 4244-4254.	1.1	41
84	Electromechanical Properties of a Ceramic <i>d</i> ₃₁ →Gradient Flexensional Actuator. Journal of the American Ceramic Society, 2001, 84, 996-1003.	1.9	41
85	Decomposition of Mullite. Journal of the American Ceramic Society, 1972, 55, 98-101.	1.9	38
86	Elastic Properties and Structure of Interpenetrating Boron Carbide/Aluminum Multiphase Composites. Journal of the American Ceramic Society, 1999, 82, 1263-1268.	1.9	38
87	Electrochemical Sensing of Nitric Oxide with Functionalized Graphene Electrodes. ACS Applied Materials & Interfaces, 2013, 5, 12624-12630.	4.0	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.	0.8	37
89	Self-Healing of Surfactant Surface Micelles on Millisecond Time Scales. Journal of the American Chemical Society, 2006, 128, 12378-12379.	6.6	37
90	Surfactant Aggregates at Rough Solid→Liquid Interfaces. Journal of Physical Chemistry B, 2007, 111, 8708-8712.	1.2	37

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91	Tuning of structural color using a dielectric actuator and multifunctional compliant electrodes. <i>Applied Optics</i> , 2010, 49, 6689.	2.1	37
92	Patterning Proteins and Cells Using Two-Dimensional Arrays of Colloids. <i>Langmuir</i> , 2003, 19, 513-518.	1.6	36
93	Clustering of binary colloidal suspensions: Experiment. <i>Journal of Colloid and Interface Science</i> , 1991, 142, 357-368.	5.0	35
94	Nanoscale Patterning of Barium Titanate on Block Copolymers. <i>Langmuir</i> , 1997, 13, 3866-3870.	1.6	34
95	Scaling Analysis for the Axial Displacement and Pressure of Flextensional Transducers. <i>Journal of the American Ceramic Society</i> , 1997, 80, 1073-1078.	1.9	34
96	Anisotropic Adsorption of Molecular Assemblies on Crystalline Surfaces. <i>Journal of Physical Chemistry B</i> , 2006, 110, 16624-16632.	1.2	34
97	Inhibition and Promotion of Copper Corrosion by CTAB in a Microreactor System. <i>Langmuir</i> , 2008, 24, 14269-14275.	1.6	33
98	Structure and Energetics of Thin Film Water. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4624-4635.	1.5	33
99	Sintering with Rigid Inclusions: Pair Interactions. <i>Journal of the American Ceramic Society</i> , 1990, 73, 54-60.	1.9	31
100	Microchannel Molding: A Soft Lithography-inspired Approach to Micrometer-scale Patterning. <i>Journal of Materials Research</i> , 2005, 20, 1995-2003.	1.2	30
101	Reaction Sequencing During Processing of the 123 Superconductor. <i>Journal of the American Ceramic Society</i> , 1989, 72, 1977-1979.	1.9	27
102	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.	1.5	25
103	Symposium for Mullite Processing, Structure, and Properties. <i>Journal of the American Ceramic Society</i> , 1991, 74, 2341-2341.	1.9	24
104	Equilibrium-State Density Profiles of Centrifuged Cakes. <i>Journal of the American Ceramic Society</i> , 1994, 77, 540-546.	1.9	24
105	Orientalional Order of Molecular Assemblies on Rough Surfaces. <i>Journal of Physical Chemistry C</i> , 2008, 112, 14902-14906.	1.5	23
106	Non-Peptide Polymeric Silicatein $\hat{I}\pm$ Mimic for Neutral pH Catalysis in the Formation of Silica. <i>Macromolecules</i> , 2007, 40, 5710-5717.	2.2	21
107	Quantitative Analysis of Hierarchical Pores in Powder Compact. <i>Journal of the Ceramic Society of Japan</i> , 1990, 98, 126-135.	1.3	20
108	Structural rearrangement and dispersion of functionalized graphene sheets in aqueous solutions. <i>Colloids and Interface Science Communications</i> , 2015, 8, 1-5.	2.0	20

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109	Clustering of binary colloidal suspensions: Theory. Journal of Colloid and Interface Science, 1991, 142, 369-377.	5.0	18
110	Elimination of an isolated pore: Effect of grain size. Journal of Materials Research, 1995, 10, 1000-1015.	1.2	18
111	The stability of binary charged colloidal crystals. Journal of Chemical Physics, 1989, 90, 4506-4512.	1.2	17
112	Functionalized graphene sheet as a dispersible fuel additive for catalytic decomposition of methylcyclohexane. Combustion and Flame, 2020, 217, 212-221.	2.8	16
113	Solvothermal removal of the organic template from L3 (â€œspongeâ€) templated silica monoliths. Journal of Nanoparticle Research, 2006, 8, 603-614.	0.8	15
114	Thermodynamics of densification of powder compact. Ceramics International, 2009, 35, 2667-2674.	2.3	15
115	Structure-Dependent Electrochemistry of Reduced Graphene Oxide Monolayers. Journal of the Electrochemical Society, 2016, 163, H491-H498.	1.3	14
116	Barium Titanate Nanoparticles in Block Copolymer. Langmuir, 2001, 17, 7656-7663.	1.6	13
117	Inhibition of Aluminum Oxyhydroxide Precipitation with Citric Acid. Langmuir, 2005, 21, 11690-11695.	1.6	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.	1.1	12
120	The Stability of L3Sponge Phase in Acidic Solutions. Langmuir, 2006, 22, 4060-4064.	1.6	12
121	Tip-Induced Orientational Order of Surfactant Micelles on Gold. Langmuir, 2008, 24, 626-631.	1.6	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.	4.0	12
123	Energetics of Defects on Graphene through Fluorination. ChemSusChem, 2014, 7, 1295-1300.	3.6	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.	1.2	9
126	Nanocomposite Mullite/Mullite Powders by Spray Pyrolysis. Journal of Nanoparticle Research, 1999, 1, 127-130.	0.8	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.	1.9	8
129	Enhanced Fuel Decomposition in the Presence of Colloidal Functionalized Graphene Sheet-Supported Platinum Nanoparticles. ACS Applied Energy Materials, 2020, 3, 7637-7648.	2.5	8
130	Hydrothermal Processing of BaTiO ₃ /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.	1.6	7
132	Electric-Field-Induced Orientation of Surfactant-Templated Nanoscopic Silica. Langmuir, 2007, 23, 8156-8162.	1.6	7
133	Autonomous colloidal crystallization in a galvanic microreactor. Journal of Applied Physics, 2012, 112, .	1.1	7
134	Dehydrated Sucrose Nanoparticles as Spacers for Grapheneâ€™Ionic Liquid Supercapacitor Electrodes. ACS Sustainable Chemistry and Engineering, 2016, 4, 7167-7174.	3.2	7
135	Multifunctional Graphene-Based Additives for Enhanced Combustion of Cracked Hydrocarbon Fuels under Supercritical Conditions. Combustion Science and Technology, 2020, 192, 1420-1435.	1.2	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.	1.2	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.	1.6	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.	0.9	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.	5.2	2
147	PHONON-INDUCED ANISOTROPIC DISPERSION FORCES ON A METALLIC SUBSTRATE. Nano LIFE, 2012, 02, 1240001.	0.6	2
148	Cementation of Colloidal Particles on Electrodes in a Galvanic Microreactor. ACS Applied Materials & Interfaces, 2013, 5, 6346-6353.	4.0	2
149	Influence of atmospheric species on the electrical properties of functionalized graphene sheets. RSC Advances, 2018, 8, 42073-42079.	1.7	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_2O_3) with <i>Azotobacter vinelandii</i> . Applied and Environmental Microbiology, 1992, 58, 3130-3135.	1.4	2
152	Potential Distribution in Functionalized Graphene Devices Probed by Kelvin Probe Force Microscopy. AIP Conference Proceedings, 2011, , .	0.3	1
153	High-Rate Li+Storage Capacity of Surfactant-Templated Graphene-TiO ₂ Nanocomposites. Journal of the Electrochemical Society, 2015, 162, A1566-A1573.	1.3	1
154	High Resolution Electron Microscopic Characterization of Interfaces in Ceramics. , 1985, , 167-178.		1
155	A study on the formation of hydrothermally prepared BaTiO ₃ 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 YBa ₂ Cu ₃ O _{7-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 CaCO ₃ Thin Films via a Bioinspired Strategy: Cooperative Template-Inhibition. <i>Microscopy and Microanalysis</i> , 2000, 6, 1070-1071.	0.2	0
164	An Amorphous to Crystalline Transition in the Formation of CaCO ₃ Thin Films. <i>Microscopy and Microanalysis</i> , 2000, 6, 1072-1073.	0.2	0
165	Mullite Phase Separation in Nanocomposite Powders. <i>Proceedings Annual Meeting Electron Microscopy Society of America</i> , 1996, 54, 232-233.	0.0	0