

Cengiz A-zkan

List of Publications by Year in descending order

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147
papers

5,051
citations

109137

35
h-index

95083

68
g-index

306
all docs

306
docs citations

306
times ranked

8969
citing authors

#	ARTICLE	IF	CITATIONS
1	Spontaneous Insertion of DNA Oligonucleotides into Carbon Nanotubes. Nano Letters, 2003, 3, 471-473.	4.5	432
2	Hydrous Ruthenium Oxide Nanoparticles Anchored to Graphene and Carbon Nanotube Hybrid Foam for Supercapacitors. Scientific Reports, 2014, 4, 4452.	1.6	424
3	Zeta potential: a surface electrical characteristic to probe the interaction of nanoparticles with normal and cancer human breast epithelial cells. Biomedical Microdevices, 2008, 10, 321-328.	1.4	359
4	Three dimensional few layer graphene and carbon nanotube foam architectures for high fidelity supercapacitors. Nano Energy, 2013, 2, 294-303.	8.2	259
5	Stable Cycling of SiO ₂ Nanotubes as High-Performance Anodes for Lithium-Ion Batteries. Scientific Reports, 2014, 4, 4605.	1.6	179
6	Scalable Synthesis of Nano-Silicon from Beach Sand for Long Cycle Life Li-ion Batteries. Scientific Reports, 2014, 4, 5623.	1.6	179
7	Synthesis and characterization of polyamidoamine dendrimer-coated multi-walled carbon nanotubes and their application in gene delivery systems. Nanotechnology, 2009, 20, 125101.	1.3	143
8	Optical Manipulation of Objects and Biological Cells in Microfluidic Devices. Biomedical Microdevices, 2003, 5, 61-67.	1.4	121
9	Fundamentals of lateral and vertical heterojunctions of atomically thin materials. Nanoscale, 2016, 8, 3870-3887.	2.8	117
10	Monodisperse Porous Silicon Spheres as Anode Materials for Lithium Ion Batteries. Scientific Reports, 2015, 5, 8781.	1.6	116
11	A Surface Charge Study on Cellular Uptake Behavior of F3 Peptide Conjugated Iron Oxide Nanoparticles. Small, 2009, 5, 1990-1996.	5.2	105
12	Hybrid carbon nanotube and graphene nanostructures for lithium ion battery anodes. Nano Energy, 2014, 3, 113-118.	8.2	103
13	Wafer Scale Synthesis and High Resolution Structural Characterization of Atomically Thin MoS ₂ Layers. Advanced Functional Materials, 2014, 24, 7461-7466.	7.8	102
14	Bio-Derived, Binderless, Hierarchically Porous Carbon Anodes for Li-ion Batteries. Scientific Reports, 2015, 5, 14575.	1.6	99
15	Heterogeneous Graphene Nanostructures: ZnO Nanostructures Grown on Large Area Graphene Layers. Small, 2010, 6, 2448-2452.	5.2	86
16	Effects of Carbon Nanotubes on Photoluminescence Properties of Quantum Dots. Journal of Physical Chemistry C, 2008, 112, 939-944.	1.5	84
17	Towards Scalable Binderless Electrodes: Carbon Coated Silicon Nanofiber Paper via Mg Reduction of Electrospun SiO ₂ Nanofibers. Scientific Reports, 2015, 5, 8246.	1.6	69
18	DNA-Templated Ordered Array of Gold Nanorods in One and Two Dimensions. Journal of Physical Chemistry C, 2007, 111, 12572-12576.	1.5	67

#	ARTICLE	IF	CITATIONS
19	Silicon Decorated Cone Shaped Carbon Nanotube Clusters for Lithium Ion Battery Anodes. <i>Small</i> , 2014, 10, 3389-3396.	5.2	65
20	Silicon and Carbon Nanocomposite Spheres with Enhanced Electrochemical Performance for Full Cell Lithium Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 44838.	1.6	61
21	Photoinduced Electron Transfer Between Pyridine Coated Cadmium Selenide Quantum Dots and Single Sheet Graphene. <i>Advanced Functional Materials</i> , 2013, 23, 5199-5211.	7.8	57
22	Gating of Single-Layer Graphene with Single-Stranded Deoxyribonucleic Acids. <i>Small</i> , 2010, 6, 1150-1155.	5.2	56
23	Oxygen etching of thick MoS ₂ films. <i>Chemical Communications</i> , 2014, 50, 11226-11229.	2.2	54
24	Template Free and Binderless NiO Nanowire Foam for Li-ion Battery Anodes with Long Cycle Life and Ultrahigh Rate Capability. <i>Scientific Reports</i> , 2016, 6, 29183.	1.6	54
25	Free-standing NiO nanofiber cloth anode for high capacity and high rate Li-ion batteries. <i>Nano Energy</i> , 2015, 18, 47-56.	8.2	53
26	Carbon-Coated, Diatomite-Derived Nanosilicon as a High Rate Capable Li-ion Battery Anode. <i>Scientific Reports</i> , 2016, 6, 33050.	1.6	53
27	Intertwined Nanocarbon and Manganese Oxide Hybrid Foam for High-Energy Supercapacitors. <i>Small</i> , 2013, 9, 3714-3721.	5.2	52
28	Towards flexible binderless anodes: silicon/carbon fabrics via double-nozzle electrospinning. <i>Chemical Communications</i> , 2016, 52, 11398-11401.	2.2	52
29	Phase Engineering of 2D Tin Sulfides. <i>Small</i> , 2016, 12, 2998-3004.	5.2	51
30	Toxicology Study of Single-walled Carbon Nanotubes and Reduced Graphene Oxide in Human Sperm. <i>Scientific Reports</i> , 2016, 6, 30270.	1.6	49
31	Silicon Derived from Glass Bottles as Anode Materials for Lithium Ion Full Cell Batteries. <i>Scientific Reports</i> , 2017, 7, 917.	1.6	47
32	Label Free DNA Detection Using Large Area Graphene Based Field Effect Transistor Biosensors. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 5258-5263.	0.9	45
33	Separation of individual neurons using dielectrophoretic alternative current fields. <i>Journal of Neuroscience Methods</i> , 2004, 135, 79-88.	1.3	42
34	Bundled and dispersed carbon nanotube assemblies on graphite superstructures as free-standing lithium-ion battery anodes. <i>Carbon</i> , 2019, 142, 238-244.	5.4	40
35	Assembled graphene oxide and single-walled carbon nanotube ink for stable supercapacitors. <i>Journal of Materials Research</i> , 2013, 28, 918-926.	1.2	37
36	Molecular absorption and photodesorption in pristine and functionalized large-area graphene layers. <i>Nanotechnology</i> , 2011, 22, 355701.	1.3	32

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37	Making one-dimensional electrical contacts to molybdenum disulfide-based heterostructures through plasma etching. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 1358-1364.	0.8	32
38	Cell adhesion measurement by laser-induced stress waves. <i>Journal of Applied Physics</i> , 2006, 100, 084701.	1.1	31
39	Supercapacitors Based on Pillared Graphene Nanostructures. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 1770-1775.	0.9	31
40	Neurons as sensors: individual and cascaded chemical sensing. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1599-1610.	5.3	30
41	Kinetics and electrochemical evolution of binary silicon-polymer systems for lithium ion batteries. <i>RSC Advances</i> , 2017, 7, 36541-36549.	1.7	30
42	Upcycling of polyethylene terephthalate plastic waste to microporous carbon structure for energy storage. <i>Energy Storage</i> , 2020, 2, e201.	2.3	29
43	State-of-health prediction for lithium-ion batteries via electrochemical impedance spectroscopy and artificial neural networks. <i>Energy Storage</i> , 2020, 2, e186.	2.3	27
44	Electric Field Assisted Patterning of Neuronal Networks for the Study of Brain Functions. <i>Biomedical Microdevices</i> , 2003, 5, 125-137.	1.4	25
45	Magnetic force microscopy of iron oxide nanoparticles and their cellular uptake. <i>Biotechnology Progress</i> , 2009, 25, 923-928.	1.3	25
46	Centimeter-Scale High-Resolution Metrology of Entire CVD-Grown Graphene Sheets. <i>Small</i> , 2011, 7, 2599-2606.	5.2	25
47	Improved functionality of graphene and carbon nanotube hybrid foam architecture by UV-ozone treatment. <i>Nanoscale</i> , 2015, 7, 7045-7050.	2.8	25
48	High energy and power density Li-O_2 battery cathodes based on amorphous RuO_2 loaded carbon free and binderless nickel nanofoam architectures. <i>RSC Advances</i> , 2016, 6, 81712-81718.	1.7	25
49	Hybrid Low Resistance Ultracapacitor Electrodes Based on 1-Pyrenebutyric Acid Functionalized Centimeter-Scale Graphene Sheets. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 6913-6920.	0.9	24
50	Tuning Electron Transport in Graphene-Based Field-Effect Devices using Block Copolymers. <i>Small</i> , 2012, 8, 1073-1080.	5.2	23
51	Templated Fabrication of InSb Nanowires for Nanoelectronics. <i>Journal of Nanomaterials</i> , 2008, 2008, 1-5.	1.5	22
52	Scalable, Binderless, and Carbonless Hierarchical Ni Nanodendrite Foam Decorated with Hydrous Ruthenium Dioxide for 1.6 V Symmetric Supercapacitors. <i>Advanced Materials Interfaces</i> , 2016, 3, 1500503.	1.9	22
53	Ultrafast high energy supercapacitors based on pillared graphene nanostructures. <i>Journal of Materials Chemistry A</i> , 2016, 4, 3356-3361.	5.2	22
54	Synthesis of Atomically Thin MoS_2 Triangles and Hexagons and Their Electrical Transport Properties. <i>IEEE Nanotechnology Magazine</i> , 2014, 13, 749-754.	1.1	21

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55	Two step growth phenomena of molybdenum disulfide–tungsten disulfide heterostructures. <i>Chemical Communications</i> , 2015, 51, 11213-11216.	2.2	21
56	Adaptive fast charging methodology for commercial Li-ion batteries based on the internal resistance spectrum. <i>Energy Storage</i> , 2020, 2, e141.	2.3	21
57	Chelant Enhanced Solution Processing for Wafer Scale Synthesis of Transition Metal Dichalcogenide Thin Films. <i>Scientific Reports</i> , 2017, 7, 6419.	1.6	20
58	Advanced Sulfur-Silicon Full Cell Architecture for Lithium Ion Batteries. <i>Scientific Reports</i> , 2017, 7, 17264.	1.6	20
59	Plateau targeted conditioning: An additive-free approach towards robust SEI formation in Li-S batteries for enhanced capacity and cycle life. <i>Nano Energy</i> , 2018, 49, 498-507.	8.2	20
60	Neuron-based microarray sensors for environmental sensing. <i>Electrophoresis</i> , 2004, 25, 3746-3760.	1.3	19
61	Industrial graphene metrology. <i>Nanoscale</i> , 2012, 4, 3807.	2.8	19
62	Suppression of the Shuttle Effect in Li-S Batteries via Magnetron Sputtered TiO ₂ Thin Film at the Electrode–Electrolyte Interface. <i>ACS Applied Energy Materials</i> , 2020, 3, 1515-1529.	2.5	19
63	Synthesis and Characterization of Iron Oxide Derivatized Mutant Cowpea Mosaic Virus Hybrid Nanoparticles. <i>Advanced Materials</i> , 2008, 20, 4816-4820.	11.1	17
64	Strain Gated Bilayer Molybdenum Disulfide Field Effect Transistor with Edge Contacts. <i>Scientific Reports</i> , 2017, 7, 41593.	1.6	17
65	Raman investigation of the air stability of 2H polytype HfSe ₂ thin films. <i>MRS Communications</i> , 2018, 8, 1191-1196.	0.8	17
66	Silicon Oxide Contamination of Graphene Sheets Synthesized on Copper Substrates via Chemical Vapor Deposition. <i>Advanced Science, Engineering and Medicine</i> , 2014, 6, 1070-1075.	0.3	17
67	Chrysanthemum like carbon nanofiber foam architectures for supercapacitors. <i>Journal of Materials Research</i> , 2013, 28, 912-917.	1.2	16
68	Tumor growth inhibition by mSTEAP peptide nanovaccine inducing augmented CD8+ T cell immune responses. <i>Drug Delivery and Translational Research</i> , 2019, 9, 1095-1105.	3.0	16
69	Synchronous chemical vapor deposition of large-area hybrid graphene–carbon nanotube architectures. <i>Journal of Materials Research</i> , 2013, 28, 958-968.	1.2	15
70	Non-Invasive High-Throughput Metrology of Functionalized Graphene Sheets. <i>Advanced Functional Materials</i> , 2012, 22, 4519-4525.	7.8	13
71	Synthesis, characterization, and electronic structure of few-layer MoSe ₂ granular films. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 2671-2676.	0.8	13
72	Scalable Multifunctional Ultra-thin Graphite Sponge: Free-standing, Superporous, Superhydrophobic, Oleophilic Architecture with Ferromagnetic Properties for Environmental Cleaning. <i>Scientific Reports</i> , 2016, 6, 21858.	1.6	13

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73	Facile Synthesis of Nickel Nanofoam Architectures for Applications in Li-Ion Batteries. <i>Energy Technology</i> , 2017, 5, 422-427.	1.8	12
74	High-Potential Metalless Nanocarbon Foam Supercapacitors Operating in Aqueous Electrolyte. <i>Small</i> , 2018, 14, e1702444.	5.2	11
75	Large area synthesis, characterization, and anisotropic etching of two dimensional tungsten disulfide films. <i>Materials Chemistry and Physics</i> , 2016, 176, 52-57.	2.0	10
76	Scaling sorbent materials for real oil-sorbing applications and environmental disasters. <i>MRS Energy & Sustainability</i> , 2019, 6, 1.	1.3	10
77	Title is missing!. <i>Biomedical Microdevices</i> , 2003, 5, 323-332.	1.4	9
78	Facile and Scalable Synthesis of Copolymer-Sulfur Composites as Cathodes for High Performance Lithium-Sulfur Batteries. <i>MRS Advances</i> , 2017, 2, 3271-3276.	0.5	9
79	Chemical vapor deposition and phase stability of pyrite on SiO ₂ . <i>Journal of Materials Chemistry C</i> , 2018, 6, 4753-4759.	2.7	9
80	Improved electrochemical performance of LiCoO ₂ electrodes for high-voltage operations by Ag thin film coating via magnetron sputtering. <i>MRS Advances</i> , 2018, 3, 3513-3518.	0.5	7
81	Growth of High-Quality Hexagonal Boron Nitride Single-Layer Films on Carburized Ni Substrates for Metal-Insulator-Metal Tunneling Devices. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35318-35327.	4.0	7
82	Novel Survivin Peptides Screened With Computer Algorithm Induce Cytotoxic T Lymphocytes With Higher Cytotoxic Efficiency to Cancer Cells. <i>Frontiers in Molecular Biosciences</i> , 2020, 7, 570003.	1.6	6
83	Effect of incident light power on Schottky barriers and I-V characteristics of organic bulk heterojunction photodiodes. <i>Applied Physics Letters</i> , 2010, 96, 143301.	1.5	5
84	Synthesis of Graphene-CNT Hybrid Nanostructures. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1344, 1.	0.1	5
85	Robust Nanocapacitors Based on Wafer-Scale Single-Crystal Hexagonal Boron Nitride Monolayer Films. <i>ACS Applied Nano Materials</i> , 2021, 4, 5685-5695.	2.4	5
86	Periodic alignment of Si quantum dots on hafnium oxide coated single wall carbon nanotubes. <i>Applied Physics Letters</i> , 2009, 94, 123109.	1.5	4
87	Facile Synthesis and Characterization of Two Dimensional Layered Tin Disulfide Nanowalls. <i>Journal of Electronic Materials</i> , 2016, 45, 2115-2120.	1.0	4
88	Effect of intermittent oxygen exposure on chemical vapor deposition of graphene. <i>MRS Communications</i> , 2017, 7, 826-831.	0.8	4
89	Chemical vapor deposition of partially oxidized graphene. <i>RSC Advances</i> , 2017, 7, 32209-32215.	1.7	4
90	Scalable coral-like silicon powders with three-dimensional interconnected structures for lithium ion battery anodes. <i>Energy Storage</i> , 2020, 2, e187.	2.3	4

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91	Design and Analysis of Microcantilevers for Biosensing Applications. Materials Research Society Symposia Proceedings, 2002, 738, 13151.	0.1	3
92	Electrochemical supercapacitor based on flexible pillar graphene nanostructures. , 2011, , .		3
93	Graphene Metrology: Centimeter-Scale High-Resolution Metrology of Entire CVD-Grown Graphene Sheets (Small 18/2011). Small, 2011, 7, 2598-2598.	5.2	3
94	Transmission Near-Field Scanning Optical Microscopy Investigation on Cellular Uptake Behavior of Iron Oxide Nanoparticles. BioNanoScience, 2012, 2, 135-143.	1.5	3
95	A Study of Diffusion in Lithium-ion Electrodes Under Fast Charging Using Electrochemical Impedance Spectroscopy. MRS Advances, 2017, 2, 3309-3315.	0.5	3
96	Normal and cancer breast epithelial cells endocytosis study of nanoparticles by combined AFM and NSOM microscopy. , 2007, , .		2
97	Early-Effect like Behavior in Space Charge Regions of Organic Bulk-Heterojunction Photodiodes. Materials Research Society Symposia Proceedings, 2011, 1360, 103801.	0.1	2
98	Effects of Process Tube Position on Properties of Graphene Layers. Materials Research Society Symposia Proceedings, 2012, 1451, 57-62.	0.1	2
99	Structural and Compositional Characterization of Fungus-Derived Pyrolytic Carbon Architectures. Advances in Materials Science and Engineering, 2016, 2016, 1-8.	1.0	2
100	Two-Dimensional Layered Semiconductor Tungsten Disulfide and Molybdenum-Tungsten Disulfide: Synthesis, Materials Properties and Electronic Structure. Journal of Nanoscience and Nanotechnology, 2016, 16, 8419-8423.	0.9	2
101	Silicon/polypyrrole nanocomposite wrapped with graphene for lithium ion anodes. MRS Advances, 2017, 2, 3323-3327.	0.5	2
102	Use of Electric Field Array Devices for Assisted Assembly of DNA Nanocomponents and Other Nanofabrication Applications. , 2006, , 137-159.		2
103	Nanoparticles for Imaging and Therapy: Functionalization, Endocytosis and Characterization. Regenerative Medicine, Artificial Cells and Nanomedicine, 2013, , 355-380.	0.7	2
104	In-Situ TEM Observations of Surface Roughening and Defect Formation in Lattice Mismatched Heteroepitaxial Thin Films. Materials Research Society Symposia Proceedings, 1997, 505, 291.	0.1	1
105	Optical Manipulation of Objects in Microfluidic Devices. Materials Research Society Symposia Proceedings, 2002, 729, 161.	0.1	1
106	Electric Field-Assisted Positioning of Neurons on Pt Microelectrode Arrays. Materials Research Society Symposia Proceedings, 2003, 773, 461.	0.1	1
107	Experimental study of filling carbon nanotubes with nucleic acids. Materials Research Society Symposia Proceedings, 2004, 820, 97.	0.1	1
108	Functionally Engineered Carbon Nanotubes-Peptide Nucleic Acid Nanocomponents. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	1

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109	Effect of Light Intensity on Schottky Barrier Widths and I-V Characteristics of Polymer Heterojunction Photodiodes. Materials Research Society Symposia Proceedings, 2011, 1359, 107.	0.1	1
110	Au-assisted Growth of Indium Antimonide Nanowires by Chemical Vapor Deposition: Temperature and Growth Duration Effects. Materials Research Society Symposia Proceedings, 2011, 1350, 1.	0.1	1
111	Label Free DNA Detection Using Large Area Graphene-Based FET Biosensors. Materials Research Society Symposia Proceedings, 2011, 1359, 155.	0.1	1
112	Graphene Role as Platinum Support for CO and Formic Acid Electrooxidation. Materials Research Society Symposia Proceedings, 2011, 1326, 1.	0.1	1
113	Graphene Metrology Using Fluorescence Quenching of Different Fluorescent Dyes. Materials Research Society Symposia Proceedings, 2012, 1451, 51-56.	0.1	1
114	MnO ₂ Decorated Three Dimensional Graphene Heterostructures for Supercapacitor Electrodes. Materials Research Society Symposia Proceedings, 2012, 1451, 63-68.	0.1	1
115	Graphene/Ni Wire Foam with Multivalent Manganese Oxide Catalysts for Li-O ₂ Battery Cathode. MRS Advances, 2017, 2, 3403-3407.	0.5	1
116	Electric Field Induced Self Assembly and Template Patterning of Polymer Microstructures. Materials Research Society Symposia Proceedings, 2001, 665, 1.	0.1	0
117	Precipitate splitting in Pb _{0.91} La _{0.09} Zr _{0.65} Ti _{0.35} O ₃ films. Journal of Materials Research, 2001, 16, 2763-2766.	1.2	0
118	Single Osteoblast Chemical Sensor via Non-invasive Bio-Electronic Interface. Materials Research Society Symposia Proceedings, 2003, 782, 1.	0.1	0
119	Cell Based Sensing Technologies. , 2006, , 55-92.		0
120	Size Dependent Thermal Activation Study of Single InSb Nanowire Devices for High Speed and Low Power Digital Logic Applications. , 2008, , .		0
121	Synthesis of Graphene-ZnO Heterogeneous Nanostructures by Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2011, 1348, 145601.	0.1	0
122	Analysis of light scattering from human breast tissue using a custom dual-axis optical scanning near-field optical microscope. Journal of Biophotonics, 2011, 4, 193-205.	1.1	0
123	Data Transmission Performance of Few-Layer Graphene Ribbons. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
124	Binary Data Transmission Performance of Sub-20 nm Indium Antimonide Nanowires. Materials Research Society Symposia Proceedings, 2011, 1350, 1.	0.1	0
125	Diameter Dependent Current-Voltage Characteristics of InSb Nanowires. Materials Research Society Symposia Proceedings, 2011, 1350, 1.	0.1	0
126	Band energy structure arrangement for organic solar cells with metalized deoxyribonucleic acid strands on anode electrode. Materials Research Society Symposia Proceedings, 2011, 1323, 23.	0.1	0

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127	Rapid large-scale Characterization of CVD Graphene Layers on Glass using Fluorescence Quenching Microscopy. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
128	DNA as an Engineering Material: From Assembly to Computation on Silicon. Materials Research Society Symposia Proceedings, 2011, 1346, 1.	0.1	0
129	Improved Hole Collection in Polymer Heterojunction Solar Cells with DNA/Pt-DNA Layers. Materials Research Society Symposia Proceedings, 2011, 1322, 63.	0.1	0
130	Photo-electrical Effect of Pristine and Functionalized Graphene Grown by Chemical Vapor Deposition. Materials Research Society Symposia Proceedings, 2011, 1362, 1.	0.1	0
131	DC/AC Performance Analysis of Indium Antimonide Nanowires. Materials Research Society Symposia Proceedings, 2011, 1336, 30701.	0.1	0
132	DNA Gating effect from single layer graphene. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
133	Experimental Demonstration of Hopfield Neural Network using DNA molecules. Materials Research Society Symposia Proceedings, 2011, 1346, 1.	0.1	0
134	Ultracapacitors Based on Graphene/MWNT Composite Films. Materials Research Society Symposia Proceedings, 2011, 1344, 1.	0.1	0
135	Block Co-polymer on Graphene: Doping of Graphene and a Robust Chemical Sensor. Materials Research Society Symposia Proceedings, 2011, 1362, 1.	0.1	0
136	Block Copolymer Assisted Fabrication of Graphene/Carbon Nanotube Hybrid Architectures and Their Application in Supercapacitors. Materials Research Society Symposia Proceedings, 2012, 1440, 43.	0.1	0
137	Synthesis of Three Dimensional Carbon Nanostructure Foams for Supercapacitors. Materials Research Society Symposia Proceedings, 2012, 1451, 85-90.	0.1	0
138	Fabrication and Surface Morphology of YBCO Superconducting Thin films on STO Buffered Si Substrates. Materials Research Society Symposia Proceedings, 2012, 1454, 129-134.	0.1	0
139	Large-area Metrology of CVD-grown Graphene Layers on Copper Foil Substrates. Materials Research Society Symposia Proceedings, 2012, 1451, 45-49.	0.1	0
140	Surface Characterization: Non-Invasive High-Throughput Metrology of Functionalized Graphene Sheets (Adv. Funct. Mater. 21/2012). Advanced Functional Materials, 2012, 22, 4402-4402.	7.8	0
141	Nanomedicine and the Nose. , 2013, , 589-597.		0
142	Pillared graphene and silicon nanocomposite architecture for anodes of lithium ion batteries. Proceedings of SPIE, 2014, , .	0.8	0
143	Beyond cell parameters: Exploiting cell operation towards optimizing the SEI and suppressing dendrite growth on lithium metal anodes. Energy Storage, 2020, 2, e188.	2.3	0
144	Optimization of Biosensing Microcantilever Devices. Materials Research Society Symposia Proceedings, 2003, 773, 611.	0.1	0

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145	Single Cell Based Microelectrode Array Biosensors. Materials Research Society Symposia Proceedings, 2003, 773, 1161.	0.1	0
146	Functionalization of carbon nanotubes for self assembly applications. Materials Research Society Symposia Proceedings, 2003, 773, 641.	0.1	0
147	Microarray and Fluidic Chip for Extracellular Sensing. , 2006, , 47-102.		0