

# Kyu Hwan Oh

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

173  
papers

9,231  
citations

42  
h-index

93  
g-index

178  
ext. papers

10,551  
ext. citations

7.4  
avg, IF

6.02  
L-index

#	Paper	IF	Citations
173	Wear Behavior of Commercial Copper-Based Aircraft Brake Pads Fabricated under Different SPS Conditions. <i>Crystals</i> , <b>2021</b> , 11, 1298	2.3	0
172	Metallophobic Coatings to Enable Shape Reconfigurable Liquid Metal Inside 3D Printed Plastics. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 12709-12718	9.5	11
171	Direct recovery of spilled oil using hierarchically porous oil scoop with capillary-induced anti-oil-fouling. <i>Journal of Hazardous Materials</i> , <b>2021</b> , 410, 124549	12.8	2
170	Mechanically rollable photodetectors enabled by centimetre-scale 2D MoS <sub>2</sub> layer/TOCN composites. <i>Nanoscale Advances</i> , <b>2021</b> , 3, 3028-3034	5.1	2
169	Wafer-Scale Two-Dimensional MoS Layers Integrated on Cellulose Substrates Toward Environmentally Friendly Transient Electronic Devices. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 25200-25210	9.5	18
168	Wafer-scale 2D PtTe <sub>2</sub> layers-enabled Kirigami heaters with superior mechanical stretchability and electro-thermal responsiveness. <i>Applied Materials Today</i> , <b>2020</b> , 20, 100718	6.6	8
167	Thickness-Independent Semiconducting-to-Metallic Conversion in Wafer-Scale Two-Dimensional PtSe Layers by Plasma-Driven Chalcogen Defect Engineering. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 14341-14351	9.5	29
166	Manufacturing strategies for wafer-scale two-dimensional transition metal dichalcogenide heterolayers. <i>Journal of Materials Research</i> , <b>2020</b> , 35, 1350-1368	2.5	9
165	Wafer-Scale Growth of 2D PtTe with Layer Orientation Tunable High Electrical Conductivity and Superior Hydrophobicity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 10839-10851	9.5	25
164	Single-step plasma-induced hierarchical structures for tunable water adhesion. <i>Scientific Reports</i> , <b>2020</b> , 10, 874	4.9	6
163	Automated Assembly of Wafer-Scale 2D TMD Heterostructures of Arbitrary Layer Orientation and Stacking Sequence Using Water Dissoluble Salt Substrates. <i>Nano Letters</i> , <b>2020</b> , 20, 3925-3934	11.5	15
162	Two-Dimensional Near-Atom-Thickness Materials for Emerging Neuromorphic Devices and Applications. <i>iScience</i> , <b>2020</b> , 23, 101676	6.1	21
161	Vertically Aligned 2D MoS Layers with Strain-Engineered Serpentine Patterns for High-Performance Stretchable Gas Sensors: Experimental and Theoretical Demonstration. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 53174-53183	9.5	14
160	An Implantable Ionic Wireless Power Transfer System Facilitating Electrosynthesis. <i>ACS Nano</i> , <b>2020</b> , 14, 11743-11752	16.7	4
159	Wafer-scale 2D PtTe layers for high-efficiency mechanically flexible electro-thermal smart window applications. <i>Nanoscale</i> , <b>2020</b> , 12, 10647-10655	7.7	11
158	Large-area 2D TMD layers for mechanically reconfigurable electronic devices. <i>Journal Physics D: Applied Physics</i> , <b>2020</b> , 53, 313002	3	11
157	Towards the Commercialization of the All-Solid-State Li-ion Battery: Local Bonding Structure and the Reversibility of Sheet-Style Si-PAN Anodes. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 060522 <sup>3,9</sup>		7

156	The cytotoxicity and skin irritation of nanostructured cellulose surface fabricated by a plasma-induced method. <i>Cellulose</i> , <b>2019</b> , 26, 9737-9749	5.5	0
155	Multifunctional Two-Dimensional PtSe-Layer Kirigami Conductors with 2000% Stretchability and Metallic-to-Semiconducting Tunability. <i>Nano Letters</i> , <b>2019</b> , 19, 7598-7607	11.5	41
154	Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO Resistive Switching Memories. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901322	24	25
153	Extremely Versatile Deformability beyond Materiality: A New Material Platform through Simple Cutting for Rugged Batteries. <i>Advanced Engineering Materials</i> , <b>2019</b> , 21, 1900206	3.5	8
152	Slurry-Coated Sheet-Style Sn-PAN Anodes for All-Solid-State Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A915-A922	3.9	10
151	Horizontal-to-Vertical Transition of 2D Layer Orientation in Low-Temperature Chemical Vapor Deposition-Grown PtSe and Its Influences on Electrical Properties and Device Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 13598-13607	9.5	44
150	Resistive Switching: Unraveling the Origin and Mechanism of Nanofilament Formation in Polycrystalline SrTiO <sub>3</sub> Resistive Switching Memories (Adv. Mater. 28/2019). <i>Advanced Materials</i> , <b>2019</b> , 31, 1970205	24	1
149	Experimental Realization of Few Layer Two-Dimensional MoS Membranes of Near Atomic Thickness for High Efficiency Water Desalination. <i>Nano Letters</i> , <b>2019</b> , 19, 5194-5204	11.5	45
148	Structural Evolutions of Vertically Aligned Two-Dimensional MoS <sub>2</sub> Layers Revealed by in Situ Heating Transmission Electron Microscopy. <i>Journal of Physical Chemistry C</i> , <b>2019</b> , 123, 27843-27853	3.8	7
147	Multiple air-bubble enhanced oil rupture on nanostructured cellulose fabric for easy-oil cleaning fouled in a dry state. <i>Scientific Reports</i> , <b>2019</b> , 9, 14538	4.9	1
146	Liquid Metal Nanoparticles as Initiators for Radical Polymerization of Vinyl Monomers. <i>ACS Macro Letters</i> , <b>2019</b> , 8, 1522-1527	6.6	44
145	Centimeter-scale Green Integration of Layer-by-Layer 2D TMD vdW Heterostructures on Arbitrary Substrates by Water-Assisted Layer Transfer. <i>Scientific Reports</i> , <b>2019</b> , 9, 1641	4.9	33
144	Sewable soft shields for the E-ray radiation. <i>Scientific Reports</i> , <b>2018</b> , 8, 1852	4.9	6
143	Self-Contained Fragmentation and Interfacial Stability in Crude Micron-Silicon Anodes. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A244-A250	3.9	5
142	Nanostructured Si/C Fibers as a Highly Reversible Anode Material for All-Solid-State Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2018</b> , 165, A1903-A1908	3.9	8
141	Simple and inexpensive coal-tar-pitch derived Si-C anode composite for all-solid-state Li-ion batteries. <i>Solid State Ionics</i> , <b>2018</b> , 324, 207-217	3.3	17
140	Strain-Driven and Layer-Number-Dependent Crossover of Growth Mode in van der Waals Heterostructures: 2D/2D Layer-By-Layer Horizontal Epitaxy to 2D/3D Vertical Reorientation. <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1800382	4.6	26
139	Observation of the Ni <sub>2</sub> O <sub>3</sub> phase in a NiO thin-film resistive switching system. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2017</b> , 11, 1700048	2.5	6

138	Exploring Lithium Deficiency in Layered Oxide Cathode for Li-Ion Battery. <i>Advanced Sustainable Systems</i> , <b>2017</b> , 1, 1700026	5.9	
137	In Situ Engineering of the Electrode-Electrolyte Interface for Stabilized Overlithiated Cathodes. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604549	24	21
136	Centimeter-Scale 2D van der Waals Vertical Heterostructures Integrated on Deformable Substrates Enabled by Gold Sacrificial Layer-Assisted Growth. <i>Nano Letters</i> , <b>2017</b> , 17, 6157-6165	11.5	25
135	Effects of surface nanostructures on self-cleaning and anti-fogging characteristics of transparent glass. <i>Journal of Mechanical Science and Technology</i> , <b>2017</b> , 31, 5407-5414	1.6	23
134	Enhanced Li Ion Conductivity in LiBH <sub>4</sub> /Al <sub>2</sub> O <sub>3</sub> Mixture via Interface Engineering. <i>Journal of Physical Chemistry C</i> , <b>2017</b> , 121, 26209-26215	3.8	37
133	All-solid-state disordered LiTiS <sub>2</sub> pseudocapacitor. <i>Journal of Materials Chemistry A</i> , <b>2017</b> , 5, 15661-15668	3	11
132	Electric current-assisted deformation behavior of Al-Mg-Si alloy under uniaxial tension. <i>International Journal of Plasticity</i> , <b>2017</b> , 94, 148-170	7.6	63
131	The influence of interfacial tensile strain on the charge transport characteristics of MoS <sub>2</sub> -based vertical heterojunction devices. <i>Nanoscale</i> , <b>2016</b> , 8, 17598-17607	7.7	11
130	Highly Stretchable and Notch-Insensitive Hydrogel Based on Polyacrylamide and Milk Protein. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 29220-29226	9.5	60
129	Microstructure and Mechanical Properties of Ultrafine-Grained Austenitic Oxide Dispersion Strengthened Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2016</b> , 47, 5334-5343	2.3	16
128	Measurements of stress and fracture in germanium electrodes of lithium-ion batteries during electrochemical lithiation and delithiation. <i>Journal of Power Sources</i> , <b>2016</b> , 304, 164-169	8.9	46
127	Water Wetting Observation on a Superhydrophobic Hairy Plant Leaf Using Environmental Scanning Electron Microscopy. <i>Applied Microscopy</i> , <b>2016</b> , 46, 201-205	1.1	1
126	FeS <sub>2</sub> -Imbedded Mixed Conducting Matrix as a Solid Battery Cathode. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600495	21.8	38
125	Optimized Silicon Electrode Architecture, Interface, and Microgeometry for Next-Generation Lithium-Ion Batteries. <i>Advanced Materials</i> , <b>2016</b> , 28, 188-93	24	32
124	Interface-enhanced Li ion conduction in a LiBH <sub>4</sub> -SiO <sub>2</sub> solid electrolyte. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 22540-7	3.6	51
123	Highly stretchable, transparent ionic touch panel. <i>Science</i> , <b>2016</b> , 353, 682-7	33.3	599
122	Stable silicon-ionic liquid interface for next-generation lithium-ion batteries. <i>Nature Communications</i> , <b>2015</b> , 6, 6230	17.4	183
121	Mitigating irreversible capacity losses from carbon agents via surface modification. <i>Journal of Power Sources</i> , <b>2015</b> , 275, 605-611	8.9	12

120	Nanostructures formed on carbon-based materials with different levels of crystallinity using oxygen plasma treatment. <i>Thin Solid Films</i> , <b>2015</b> , 590, 324-329	2.2	17
119	Biofunctionalized ceramic with self-assembled networks of nanochannels. <i>ACS Nano</i> , <b>2015</b> , 9, 4447-57	16.7	11
118	A simple technique for measuring the fracture energy of lithiated thin-film silicon electrodes at various lithium concentrations. <i>Journal of Power Sources</i> , <b>2015</b> , 294, 159-166	8.9	25
117	Gelation dynamics of ionically crosslinked alginate gel with various cations. <i>Macromolecular Research</i> , <b>2015</b> , 23, 1112-1116	1.9	20
116	Plasma-Induced Hetero-Nanostructures on a Polymer with Selective Metal Co-Deposition. <i>Advanced Materials Interfaces</i> , <b>2015</b> , 2, 1400431	4.6	34
115	A Shear Strain Route Dependency of Martensite Formation in 316L Stainless Steel. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 582-7	0.5	1
114	UV-responsive nano-sponge for oil absorption and desorption. <i>Scientific Reports</i> , <b>2015</b> , 5, 12908	4.9	46
113	Columnar grown copper films on polyimides strained beyond 100. <i>Scientific Reports</i> , <b>2015</b> , 5, 13791	4.9	8
112	The effect of energetically coated ZrOx on enhanced electrochemical performances of Li(Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> )O <sub>2</sub> cathodes using modified radio frequency (RF) sputtering. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 12982-12991	13	10
111	Extreme wettability of nanostructured glass fabricated by non-lithographic, anisotropic etching. <i>Scientific Reports</i> , <b>2015</b> , 5, 9362	4.9	48
110	Observation of Micro-scale Surface Morphology with Microtexture Development During Plane Strain Tensile Deformation in AZ31 Magnesium Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2015</b> , 46, 12-17	2.3	1
109	Tin Networked Electrode Providing Enhanced Volumetric Capacity and Pressureless Operation for All-Solid-State Li-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2015</b> , 162, A711-A715	3.9	25
108	High performance gas diffusion layer with hydrophobic nanolayer under a supersaturated operation condition for fuel cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 5506-13	9.5	20
107	Electric current-induced annealing during uniaxial tension of aluminum alloy. <i>Scripta Materialia</i> , <b>2014</b> , 75, 58-61	5.6	124
106	A Stabilized PAN-FeS <sub>2</sub> Cathode with an EC/DEC Liquid Electrolyte. <i>Advanced Energy Materials</i> , <b>2014</b> , 4, 1300961	21.8	91
105	Ionic liquid enabled FeS <sub>2</sub> for high-energy-density lithium-ion batteries. <i>Advanced Materials</i> , <b>2014</b> , 26, 7386-92	24	106
104	Derivation of an Iron Pyrite All-Solid-State Composite Electrode with Ferrophosphorus, Sulfur, and Lithium Sulfide as Precursors. <i>Journal of the Electrochemical Society</i> , <b>2014</b> , 161, A663-A667	3.9	13
103	Hierarchical porous framework of Si-based electrodes for minimal volumetric expansion. <i>Advanced Materials</i> , <b>2014</b> , 26, 3520-5	24	42

102	Experimental Measurement of Young's Modulus from a Single Crystalline Cementite. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1474-1475	0.5	
101	Microstructural characterization of dehydrogenated products of the LiBH <sub>4</sub> -YH <sub>3</sub> composite. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1798-804	0.5	1
100	Electrochemically induced and orientation dependent crack propagation in single crystal silicon. <i>Journal of Power Sources</i> , <b>2014</b> , 267, 739-743	8.9	20
99	Reversible high-capacity Si nanocomposite anodes for lithium-ion batteries enabled by molecular layer deposition. <i>Advanced Materials</i> , <b>2014</b> , 26, 1596-601	24	146
98	Unexpected high power performance of atomic layer deposition coated Li[Ni <sub>1/3</sub> Mn <sub>1/3</sub> Co <sub>1/3</sub> ]O <sub>2</sub> cathodes. <i>Journal of Power Sources</i> , <b>2014</b> , 254, 190-197	8.9	66
97	Microstructural evolution induced by micro-cracking during fast lithiation of single-crystalline silicon. <i>Journal of Power Sources</i> , <b>2014</b> , 265, 160-165	8.9	32
96	1,3-Butadiene as an Adhesion Promoter Between Composite Resin and Dental Ceramic in a Dielectric Barrier Discharge Jet. <i>Plasma Chemistry and Plasma Processing</i> , <b>2013</b> , 33, 539-551	3.6	7
95	Conformal Coatings of Cyclized-PAN for Mechanically Resilient Si nano-Composite Anodes. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 697-702	21.8	105
94	Adhesion behavior of mouse liver cancer cells on nanostructured superhydrophobic and superhydrophilic surfaces. <i>Soft Matter</i> , <b>2013</b> , 9, 8705	3.6	39
93	Facile conductive bridges formed between silicon nanoparticles inside hollow carbon nanofibers. <i>Nanoscale</i> , <b>2013</b> , 5, 4790-6	7.7	34
92	An All-Solid-State Li-Ion Battery with a Pre-Lithiated Si-Ti-Ni Alloy Anode. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A1497-A1501	3.9	30
91	Formation of Ultrafine Cellular Microstructure Around Alumina Particles in a Low-Carbon Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2013</b> , 44, 4098-4105 <sup>2-3</sup>		
90	Hierarchical structures of AlOOH nanoflakes nested on Si nanopillars with anti-reflectance and superhydrophobicity. <i>Nanoscale</i> , <b>2013</b> , 5, 10014-21	7.7	28
89	Face-centered-cubic lithium crystals formed in mesopores of carbon nanofiber electrodes. <i>ACS Nano</i> , <b>2013</b> , 7, 5801-7	16.7	20
88	Thermal stability of superhydrophobic, nanostructured surfaces. <i>Journal of Colloid and Interface Science</i> , <b>2013</b> , 391, 152-7	9.3	40
87	Microstructure evolution of beryllium during proton irradiation. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 63, 1414-1417	0.6	4
86	Solid State Enabled Reversible Four Electron Storage. <i>Advanced Energy Materials</i> , <b>2013</b> , 3, 120-127	21.8	131
85	Dynamic recrystallization in high-purity aluminum single crystal under frictionless deformation mode at room temperature. <i>Journal of Materials Research</i> , <b>2013</b> , 28, 2829-2834	2.5	6

84	Folding wrinkles of a thin stiff layer on a soft substrate. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , <b>2012</b> , 468, 932-953	2.4	133
83	Ion-Beam Induced Surface Roughening of Poly-(methyl methacrylate) (PMMA) Tuned by a Mixture of Ar and O <sub>2</sub> Ions. <i>Plasma Processes and Polymers</i> , <b>2012</b> , 9, 975-983	3.4	4
82	Highly stretchable and tough hydrogels. <i>Nature</i> , <b>2012</b> , 489, 133-6	50.4	3109
81	Nanoscale Interface Modification of LiCoO <sub>2</sub> by Al <sub>2</sub> O <sub>3</sub> Atomic Layer Deposition for Solid-State Li Batteries. <i>Journal of the Electrochemical Society</i> , <b>2012</b> , 159, A1120-A1124	3.9	140
80	Bioinspired steel surfaces with extreme wettability contrast. <i>Nanoscale</i> , <b>2012</b> , 4, 2900-5	7.7	45
79	Fabrication of wrinkled surfaces on polymer substrates by using ion implantation. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 61, 297-300	0.6	3
78	Tensile properties of a ZnS nanowire determined with a nano-manipulator and force sensor. <i>Journal of the Korean Physical Society</i> , <b>2012</b> , 61, 402-405	0.6	3
77	Effect of pores in hollow carbon nanofibers on their negative electrode properties for a lithium rechargeable battery. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2012</b> , 4, 6702-10	9.5	74
76	Pd effect on reliability of Ag bonding wires in microelectronic devices in high-humidity environments. <i>Metals and Materials International</i> , <b>2012</b> , 18, 881-885	2.4	17
75	Water condensation behavior on the surface of a network of superhydrophobic carbon fibers with high-aspect-ratio nanostructures. <i>Carbon</i> , <b>2012</b> , 50, 5085-5092	10.4	42
74	A Highly Reversible Nano-Si Anode Enabled by Mechanical Confinement in an Electrochemically Activated Li <sub>x</sub> Ti <sub>4</sub> Ni <sub>4</sub> Si <sub>7</sub> Matrix. <i>Advanced Energy Materials</i> , <b>2012</b> , 2, 1226-1231	21.8	86
73	Evolution of Oxide Particles during Fabrication Processes of 12Cr ODS Steel. <i>Materials Research Society Symposia Proceedings</i> , <b>2012</b> , 1383, 41		
72	Co-precipitation synthesis of micro-sized spherical LiMn <sub>0.5</sub> Fe <sub>0.5</sub> PO <sub>4</sub> cathode material for lithium batteries. <i>Journal of Materials Chemistry</i> , <b>2011</b> , 21, 19368		68
71	Microscale spherical carbon-coated Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> as ultra high power anode material for lithium batteries. <i>Energy and Environmental Science</i> , <b>2011</b> , 4, 1345	35.4	399
70	Phase Analysis of Steels by Grain-averaged EBSD Functions. <i>ISIJ International</i> , <b>2011</b> , 51, 130-136	1.7	45
69	Microtexture development during equibiaxial tensile deformation in monolithic and dual phase steels. <i>Acta Materialia</i> , <b>2011</b> , 59, 5462-5471	8.4	20
68	Relationship between microstructure homogeneity and bonding stability of ultrafine gold wire. <i>Gold Bulletin</i> , <b>2011</b> , 44, 231-237	1.6	0
67	Identification of dynamic ferrite formed during the deformation of super-cooled austenite by image-based analysis of an EBSD map. <i>Metals and Materials International</i> , <b>2011</b> , 17, 181-186	2.4	3

66	Microstructure Study of Electrochemically Driven Li <sub>x</sub> Si. <i>Advanced Energy Materials</i> , <b>2011</b> , 1, 1199-1204	21.8	53
65	Watching bismuth nanowires grow. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 043102	3.4	15
64	TENSILE PROPERTIES OF CARBON NANOFIBERS USING NANO-MANIPULATOR INSIDE SCANNING ELECTRON MICROSCOPE. <i>International Journal of Modern Physics B</i> , <b>2011</b> , 25, 4233-4236	1.1	1
63	In situ transmission electron microscopy study on microstructural changes in NbF <sub>5</sub> -doped MgH <sub>2</sub> during dehydrogenation. <i>Scripta Materialia</i> , <b>2010</b> , 62, 701-704	5.6	23
62	Double carbon coating of LiFePO <sub>4</sub> as high rate electrode for rechargeable lithium batteries. <i>Advanced Materials</i> , <b>2010</b> , 22, 4842-5	24	329
61	Nanoscale ripples on polymers created by a focused ion beam. <i>Nanotechnology</i> , <b>2009</b> , 20, 115301	3.4	16
60	An angled nano-tunnel fabricated on poly(methyl methacrylate) by a focused ion beam. <i>Nanotechnology</i> , <b>2009</b> , 20, 285301	3.4	10
59	Microstructural change of 2LiBH <sub>4</sub> /Al with hydrogen sorption cycling: Separation of Al and B. <i>Scripta Materialia</i> , <b>2009</b> , 60, 1089-1092	5.6	26
58	Contribution of Convex Surfaces to Magnetostatic Interaction in Granular Medium. <i>IEEE Transactions on Magnetics</i> , <b>2009</b> , 45, 2655-2658	2	
57	Fracture Mechanics of Solder Bumps During Ball Shear Testing: Effect of Bump Size. <i>Journal of Electronic Materials</i> , <b>2009</b> , 38, 1896-1905	1.9	8
56	Effects of die geometry on variation of the deformation rate in equal channel angular pressing. <i>Metals and Materials International</i> , <b>2009</b> , 15, 439-445	2.4	8
55	Investigation of the material flow and texture evolution in friction-stir welded aluminum alloy. <i>Metals and Materials International</i> , <b>2009</b> , 15, 1027-1031	2.4	17
54	Direct growth of compound semiconductor nanowires by on-film formation of nanowires: bismuth telluride. <i>Nano Letters</i> , <b>2009</b> , 9, 2867-72	11.5	64
53	Controlled epitaxial growth modes of ZnO nanostructures using different substrate crystal planes. <i>Journal of Materials Chemistry</i> , <b>2009</b> , 19, 941		37
52	Contribution of the shrunk interface and the convex surface of grains on magnetic behavior in granular film. <i>Journal of Applied Physics</i> , <b>2008</b> , 103, 07F519	2.5	3
51	INVESTIGATION ON THERMAL PROPERTIES OF Al/SiC <sub>p</sub> METAL MATRIX COMPOSITE BASED ON FEM ANALYSIS. <i>International Journal of Modern Physics B</i> , <b>2008</b> , 22, 6167-6172	1.1	3
50	Characterization of the crystallographic microstructure of the stress-induced void in Cu interconnects. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 141917	3.4	12
49	Evolution of a Needle Shaped Carbide in SA508 Gr3 Steel. <i>ISIJ International</i> , <b>2008</b> , 48, 1810-1812	1.7	7



48	Microstructural evolution of NbF5-doped MgH2 exhibiting fast hydrogen sorption kinetics. <i>Journal of Power Sources</i> , <b>2008</b> , 178, 373-378	8.9	45
47	Structure and mechanical properties of Ag-incorporated DLC films prepared by a hybrid ion beam deposition system. <i>Thin Solid Films</i> , <b>2007</b> , 516, 248-251	2.2	94
46	Wetting behaviours of a-C:H:Si:O film coated nano-scale dual rough surface. <i>Chemical Physics Letters</i> , <b>2007</b> , 436, 199-203	2.5	31
45	Prediction model for surface temperature of roller and densification of iron powder during hot roll pressing. <i>International Journal of Machine Tools and Manufacture</i> , <b>2007</b> , 47, 1573-1582	9.4	3
44	Controlled formation of nanoscale wrinkling patterns on polymers using focused ion beam. <i>Scripta Materialia</i> , <b>2007</b> , 57, 747-750	5.6	47
43	Wrinkled hard skins on polymers created by focused ion beam. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 1130-3	11.5	190
42	Directed assembly of fluidic networks by buckle delamination of films on patterned substrates. <i>International Journal of Materials Research</i> , <b>2007</b> , 98, 1203-1208	0.5	14
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4	Analysis of forging limit for sintered porous metals. <i>Scripta Metallurgica Et Materialia</i> , <b>1995</b> , 32, 1937-1944		16
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