

## List of Publications by Citations

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197  
papers

4,964  
citations

39  
h-index

62  
g-index

215  
ext. papers

5,668  
ext. citations

6.5  
avg, IF

5.74  
L-index

#	Paper	IF	Citations
197	Properties of lead-free solder alloys with rare earth element additions. <i>Materials Science and Engineering Reports</i> , <b>2004</b> , 44, 1-44	30.9	444
196	Recent advances in manganese oxide nanocrystals: fabrication, characterization, and microstructure. <i>Chemical Reviews</i> , <b>2012</b> , 112, 3833-55	68.1	188
195	Review and comparison of shearography and active thermography for nondestructive evaluation. <i>Materials Science and Engineering Reports</i> , <b>2009</b> , 64, 73-112	30.9	151
194	Recent advances in tin dioxide materials: some developments in thin films, nanowires, and nanorods. <i>Chemical Reviews</i> , <b>2014</b> , 114, 7442-86	68.1	128
193	Graphene sheets via microwave chemical vapor deposition. <i>Chemical Physics Letters</i> , <b>2009</b> , 467, 361-364	2.5	114
192	N-P transition sensing behaviors of ZnO nanotubes exposed to NO <sub>2</sub> gas. <i>Nanotechnology</i> , <b>2009</b> , 20, 4655-4	3.4	104
191	The properties of Sn-9Zn lead-free solder alloys doped with trace rare earth elements. <i>Journal of Electronic Materials</i> , <b>2002</b> , 31, 921-927	1.9	103
190	Direct detection of two different tumor-derived extracellular vesicles by SAM-AuNIs LSPR biosensor. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 94, 400-407	11.8	100
189	Adsorption of gas molecules on Ga-doped graphene and effect of applied electric field: A DFT study. <i>Applied Surface Science</i> , <b>2017</b> , 411, 11-17	6.7	94
188	The wettability and microstructure of Sn-Zn-RE alloys. <i>Journal of Electronic Materials</i> , <b>2003</b> , 32, 63-69	1.9	93
187	Intermetallic compounds growth between Sn <sub>3</sub> 5Ag lead-free solder and Cu substrate by dipping method. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 392, 192-199	5.7	86
186	Creep behavior of eutectic Sn <sub>3</sub> Ag lead-free solder alloy. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 2897-2903	2.5	81
185	Microstructure, solderability, and growth of intermetallic compounds of Sn-Ag-Cu-RE lead-free solder alloys. <i>Journal of Electronic Materials</i> , <b>2006</b> , 35, 89-93	1.9	79
184	Microstructure and mechanical properties of new lead-free Sn-Cu-RE solder alloys. <i>Journal of Electronic Materials</i> , <b>2002</b> , 31, 928-932	1.9	75
183	Silicon nanowire sensors for Hg <sup>2+</sup> and Cd <sup>2+</sup> ions. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 193101	3.4	74
182	Irradiated Graphene Loaded with SnO <sub>2</sub> Quantum Dots for Energy Storage. <i>ACS Nano</i> , <b>2015</b> , 9, 11351-61	16.7	63
181	Hierarchical mesoporous MnO <sub>2</sub> superstructures synthesized by soft-interface method and their catalytic performances. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 9776-84	9.5	62

180	Can Polypyridyl Cu(I)-based Complexes Provide Promising Sensitizers for Dye-Sensitized Solar Cells? A Theoretical Insight into Cu(I) versus Ru(II) Sensitizers. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 3753-3761	3.8	62
179	The formation of nano-Ag <sub>3</sub> Sn particles on the intermetallic compounds during wetting reaction. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 389, 153-158	5.7	61
178	The adsorption of Ag <sub>3</sub> Sn nano-particles on Cu <sub>3</sub> Sn intermetallic compounds of Sn <sub>3</sub> Ag <sub>0.5</sub> Cu/Cu during soldering. <i>Journal of Alloys and Compounds</i> , <b>2010</b> , 492, 433-438	5.7	58
177	Creep behavior of eutectic Sn-Cu lead-free solder alloy. <i>Journal of Electronic Materials</i> , <b>2002</b> , 31, 442-448	1.9	57
176	Microstructural evolution of oxides and semiconductor thin films. <i>Progress in Materials Science</i> , <b>2011</b> , 56, 901-1029	42.2	56
175	White-light spectral interferometry for surface plasmon resonance sensing applications. <i>Optics Express</i> , <b>2011</b> , 19, 4521-7	3.3	54
174	Detection of Glioma-Derived Exosomes with the Biotinylated Antibody-Functionalized Titanium Nitride Plasmonic Biosensor. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1806761	15.6	54
173	Fe-species-loaded mesoporous MnO <sub>2</sub> superstructural requirements for enhanced catalysis. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 3949-59	9.5	53
172	Insight on fractal assessment strategies for tin dioxide thin films. <i>ACS Nano</i> , <b>2010</b> , 4, 1202-8	16.7	53
171	The effect of grain boundaries on the mechanical properties and failure behavior of hexagonal boron nitride sheets. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 23716-22	3.6	51
170	An aptasensor using DNA aptamer and white light common-path SPR spectral interferometry to detect cytochrome-c for anti-cancer drug screening. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 198, 416-423	8.5	50
169	Synthesis of Hierarchical Porous ZnO Disklike Nanostructures for Improved Photovoltaic Properties of Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 13157-13161	3.8	50
168	Improvements of microstructure, wettability, tensile and creep strength of eutectic Sn <sub>3</sub> Ag alloy by doping with rare-earth elements. <i>Journal of Materials Research</i> , <b>2002</b> , 17, 3146-3154	2.5	50
167	Initial Reduction of CO on Pd-, Ru-, and Cu-Doped CeO(111) Surfaces: Effects of Surface Modification on Catalytic Activity and Selectivity. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 26107-26117	9.5	49
166	Adsorption of nucleobase pairs on hexagonal boron nitride sheet: hydrogen bonding versus stacking. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 10767-76	3.6	48
165	Assembling tin dioxide quantum dots to graphene nanosheets by a facile ultrasonic route. <i>Langmuir</i> , <b>2013</b> , 29, 4111-8	4	47
164	Methanol Oxidation on Pt <sub>3</sub> Sn(111) for Direct Methanol Fuel Cells: Methanol Decomposition. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 12194-204	9.5	47
163	Bimetallic Au-Ag alloy nanoislands for highly sensitive localized surface plasmon resonance biosensing. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 265, 459-467	8.5	42

162	One-Step Synthesis of Mixed Lanthanide Metal-Organic Framework Films for Sensitive Temperature Mapping. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900336	8.1	40
161	Encapsulating Co P@C Core-Shell Nanoparticles in a Porous Carbon Sandwich as Dual-Doped Electrocatalyst for Hydrogen Evolution. <i>ChemSusChem</i> , <b>2018</b> , 11, 376-388	8.3	40
160	Nitrated tyrosine adsorption on metal-doped graphene: A DFT study. <i>Computational Materials Science</i> , <b>2012</b> , 51, 141-145	3.2	40
159	Durability of concrete with high cement replacement. <i>Cement and Concrete Research</i> , <b>2000</b> , 30, 865-879	10.3	40
158	Microstructure evolution and advanced performance of Mn <sub>3</sub> O <sub>4</sub> nanomorphologies. <i>Nanoscale</i> , <b>2012</b> , 4, 2590-6	7.7	39
157	Developing a lead-free solder alloy Sn-Bi-Ag-Cu by mechanical alloying. <i>Journal of Electronic Materials</i> , <b>2000</b> , 29, 1015-1020	1.9	39
156	Adsorption of formaldehyde on transition metal doped monolayer MoS <sub>2</sub> : A DFT study. <i>Applied Surface Science</i> , <b>2019</b> , 484, 1244-1252	6.7	38
155	Rare-earth additions to lead-free electronic solders. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2006</b> , 18, 77-91	2.1	38
154	Label-free sensing of exosomal MCT1 and CD147 for tracking metabolic reprogramming and malignant progression in glioma. <i>Science Advances</i> , <b>2020</b> , 6, eaaz6119	14.3	37
153	First-principles insight into the photoelectronic properties of Ge-based perovskites. <i>RSC Advances</i> , <b>2016</b> , 6, 86976-86981	3.7	36
152	Effect of Y <sub>2</sub> O <sub>3</sub> particles on microstructure formation and shear properties of Sn-58Bi solder. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2010</b> , 21, 1046-1054	2.1	36
151	Label-free detection of 3-nitro-L-tyrosine with nickel-doped graphene localized surface plasmon resonance biosensor. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 89, 468-476	11.8	35
150	Electrochemical CO Reduction to C Products on Single Nickel/Cobalt/Iron-Doped Graphitic Carbon Nitride: A DFT Study. <i>ChemSusChem</i> , <b>2019</b> , 12, 5126-5132	8.3	35
149	Plasmonic enhanced dye-sensitized solar cells with self-assembly gold-TiO <sub>2</sub> @core-shell nanoislands. <i>Solar Energy</i> , <b>2014</b> , 99, 115-125	6.8	35
148	DFT/TD-DFT investigation of electronic structures and spectra properties of Cu-based dye sensitizers. <i>Journal of Physical Chemistry A</i> , <b>2010</b> , 114, 1178-84	2.8	34
147	Effects of Cu contents in Sn-Cu solder on the composition and morphology of intermetallic compounds at a solder/Ni interface. <i>Journal of Materials Research</i> , <b>2005</b> , 20, 2205-2212	2.5	34
146	Residual shear strength of Sn-Ag and Sn-Bi lead-free SMT joints after thermal shock. <i>IEEE Transactions on Advanced Packaging</i> , <b>2000</b> , 23, 708-714		34
145	Mechanical properties and failure behaviors of the interface of hybrid graphene/hexagonal boron nitride sheets. <i>Scientific Reports</i> , <b>2016</b> , 6, 31499	4.9	34

144	Differential spectral phase interferometry for wide dynamic range surface plasmon resonance biosensing. <i>Biosensors and Bioelectronics</i> , <b>2010</b> , 26, 1593-8	11.8	33
143	Synthesis of an Al <sub>2</sub> O <sub>3</sub> /Al co-continuous composite by reactive melt infiltration. <i>Materials Characterization</i> , <b>2007</b> , 58, 416-422	3.9	33
142	Tensile Failure Mechanisms of Sisal Fibers in Composites. <i>Journal of Materials Science Letters</i> , <b>1998</b> , 17, 1805-1807		31
141	Common-path spectral interferometry with temporal carrier for highly sensitive surface plasmon resonance sensing. <i>Optics Express</i> , <b>2013</b> , 21, 20268-73	3.3	29
140	Lead free solder alloys Sn-Zn and Sn-Sb prepared by mechanical alloying. <i>Journal of Materials Science: Materials in Electronics</i> , <b>2000</b> , 11, 57-65	2.1	29
139	The effects of bump height on the reliability of ACF in flip-chip. <i>Soldering and Surface Mount Technology</i> , <b>2001</b> , 13, 25-30	1.4	29
138	Computational Investigation on the Effect of Graphene Oxide Sheets as Nanofillers in Poly(vinyl alcohol)/Graphene Oxide Composites. <i>Journal of Physical Chemistry C</i> , <b>2012</b> , 116, 22532-22538	3.8	28
137	Heterojunctions and optical properties of ZnO/SnO <sub>2</sub> nanocomposites adorned with quantum dots. <i>Solar Energy Materials and Solar Cells</i> , <b>2014</b> , 128, 254-259	6.4	27
136	Failure analysis of tube-to-tubesheet welded joints in a shell-tube heat exchanger. <i>Case Studies in Engineering Failure Analysis</i> , <b>2016</b> , 7, 32-40		26
135	Interactions between polybrominated diphenyl ethers and graphene surface: a DFT and MD investigation. <i>Environmental Science: Nano</i> , <b>2014</b> , 1, 55-63	7.1	25
134	Mechanical properties and failure behavior of hexagonal boron nitride sheets with nano-cracks. <i>Computational Materials Science</i> , <b>2017</b> , 140, 356-366	3.2	25
133	Microstructural evolution of a lead-free solder alloy Sn-Bi-Ag-Cu prepared by mechanical alloying during thermal shock and aging. <i>Journal of Electronic Materials</i> , <b>2000</b> , 29, 1021-1026	1.9	24
132	Metal-free two-dimensional phosphorus carbide as an efficient electrocatalyst for hydrogen evolution reaction comparable to platinum. <i>Nano Energy</i> , <b>2020</b> , 71, 104603	17.1	22
131	Formation of orthorhombic SnO <sub>2</sub> originated from lattice distortion by Mn-doped tetragonal SnO <sub>2</sub> . <i>RSC Advances</i> , <b>2015</b> , 5, 39285-39290	3.7	21
130	Al-induced crystallization of amorphous Ge and formation of fractal Ge micro-/nanoclusters. <i>Inorganic Chemistry</i> , <b>2012</b> , 51, 8473-8	5.1	21
129	Single transition metal atoms on nitrogen-doped carbon for CO <sub>2</sub> electrocatalytic reduction: CO production or further CO reduction?. <i>Applied Surface Science</i> , <b>2020</b> , 533, 147466	6.7	21
128	Degradation mechanisms of anisotropic conductive adhesive joints for flip chip on flex applications		20
127	Nonlinear analysis of edge effects in angle-ply laminates. <i>Computers and Structures</i> , <b>1987</b> , 25, 787-798	4.5	20

126	High-Performance CdSe:In Nanowire Field-Effect Transistors Based on Top-Gate Configuration with High- $\kappa$ Non-Oxide Dielectrics. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 4663-4668	3.8	19
125	Creep resistance of tin-based lead-free solder alloys. <i>Journal of Electronic Materials</i> , <b>2005</b> , 34, 1373-1377	1.9	19
124	Differential phase-detecting localized surface plasmon resonance sensor with self-assembly gold nano-islands. <i>Optics Letters</i> , <b>2015</b> , 40, 1924-7	3	18
123	Activity origin and design principles for atomic vanadium anchoring on phosphorene monolayer for nitrogen reduction reaction. <i>Nano Research</i> , <b>2020</b> , 13, 2925-2932	10	18
122	Structures and electronic properties of vacancies at the interface of hybrid graphene/hexagonal boron nitride sheet. <i>Computational Materials Science</i> , <b>2016</b> , 117, 172-179	3.2	18
121	Label-Free LSPR Detection of Trace Lead(II) Ions in Drinking Water by Synthetic Poly(mPD-co-ASA) Nanoparticles on Gold Nanoislands. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 1985-1993	7.8	17
120	CO tolerance of a Pt <sub>3</sub> Sn(111) catalyst in ethanol decomposition. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 3246-3258	5.5	17
119	Pulsed Laser Ablation for Tin Dioxide: Nucleation, Growth, and Microstructures. <i>Critical Reviews in Solid State and Materials Sciences</i> , <b>2008</b> , 33, 197-209	10.1	17
118	Thermal fatigue behaviour of SiCp/Al composite synthesized by metal infiltration. <i>Composites Part A: Applied Science and Manufacturing</i> , <b>2006</b> , 37, 1858-1862	8.4	17
117	Interfacial microstructure and strength of lead-free Sn-Zn-RE BGA solder bumps. <i>IEEE Transactions on Advanced Packaging</i> , <b>2005</b> , 28, 252-258		17
116	Dielectric functionalization for differential phase detecting localized surface plasmon resonance biosensor. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 234, 247-254	8.5	17
115	Enhanced Hydrogen Purification in Nanoporous Phosphorene Membrane with Applied Electric Field. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 3497-3505	3.8	16
114	Thermal and mechanical fatigue analysis of CFRP laminates. <i>Composite Structures</i> , <b>1993</b> , 25, 339-344	5.3	16
113	Effect of alloying on the stabilities and catalytic properties of Ag <sub>2</sub> Au bimetallic subnanoclusters: a theoretical investigation. <i>Journal of Materials Science</i> , <b>2016</b> , 51, 5046-5060	4.3	15
112	Ultrathin-shell boron nitride hollow spheres as sorbent for dispersive solid-phase extraction of polychlorinated biphenyls from environmental water samples. <i>Journal of Chromatography A</i> , <b>2014</b> , 1369, 181-5	4.5	15
111	Defect-sensitive performance of silicene sheets under uniaxial tension: mechanical properties, electronic structures and failure behavior. <i>RSC Advances</i> , <b>2017</b> , 7, 10306-10315	3.7	14
110	Simple near-infrared photodetector based on charge transfer complexes formed in molybdenum oxide doped N,N'-di(naphthalene-1-yl)-N,N'-diphenyl-benzidine. <i>Physica Status Solidi - Rapid Research Letters</i> , <b>2012</b> , 6, 129-131	2.5	14
109	Compressive strength and hot deformation mechanisms in as-cast Mg-4Al-2Ba-2Ca (ABaX422) alloy. <i>Philosophical Magazine</i> , <b>2013</b> , 93, 4364-4377	1.6	14

108	Microstructural evolution of lead-free Sn-Bi-Ag-Cu SMT joints during aging. <i>IEEE Transactions on Advanced Packaging</i> , <b>2005</b> , 28, 128-133		14
107	Nonlinear thermal and mechanical analysis of edge effects in angle-ply laminates. <i>Computers and Structures</i> , <b>1990</b> , 35, 705-717	4.5	14
106	Facile fabrication and application of SnO <sub>2</sub> /ZnO nanocomposites: insight into chain-like frameworks, heterojunctions and quantum dots. <i>RSC Advances</i> , <b>2016</b> , 6, 82096-82102	3.7	13
105	Methanol oxidation on Ru(0001) for direct methanol fuel cells: analysis of the competitive reaction mechanism. <i>RSC Advances</i> , <b>2016</b> , 6, 1729-1737	3.7	13
104	Boron nitride nanotubes as novel sorbent for solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 5751-4	4.4	13
103	Theoretical investigation on the hydrogen evolution reaction mechanism at MoS <sub>2</sub> heterostructures: the essential role of the 1T/2H phase interface. <i>Catalysis Science and Technology</i> , <b>2020</b> , 10, 458-465	5.5	13
102	In vivo liquid biopsy for glioblastoma malignancy by the AFM and LSPR based sensing of exosomal CD44 and CD133 in a mouse model. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 191, 113476	11.8	13
101	Label-free surface plasmon resonance biosensing with titanium nitride thin film. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 106, 129-135	11.8	12
100	Investigation on mechanical performances of grain boundaries in hexagonal boron nitride sheets. <i>International Journal of Mechanical Sciences</i> , <b>2018</b> , 149, 262-272	5.5	12
99	Recent research situation in tin dioxide nanomaterials: synthesis, microstructures, and properties. <i>Frontiers of Materials Science</i> , <b>2013</b> , 7, 203-226	2.5	11
98	Stiffness behaviour of injection moulded short glass fibre/impact modifier/polypropylene hybrid composites. <i>Journal of Materials Processing Technology</i> , <b>1999</b> , 96, 48-52	5.3	11
97	Biosensing with gain-assisted surface plasmon-polariton amplifier: A computational investigation. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 210, 36-45	8.5	10
96	Mechanistic Insight into Catalytic Oxidation of Ammonia on Clean, O- and OH-Assisted Ir(1 1 1) Surfaces. <i>ChemCatChem</i> , <b>2013</b> , 5, 1832-1841	5.2	10
95	Morphological Study of Sisal Fibres. <i>Advanced Composites Letters</i> , <b>2002</b> , 11, 096369350201100	1.2	10
94	Effect of $\gamma$ irradiation on the short beam shear behavior of pultruded sisal-fiber/glass-fiber/polyester hybrid composites. <i>Journal of Materials Science Letters</i> , <b>2000</b> , 19, 1155-1157		10
93	Bolted joints in a laminated composite strut design expert system. <i>Composite Structures</i> , <b>1992</b> , 22, 63-85	5.3	10
92	Analysis of tapered (in steps) laminated plates under uniform inplane load. <i>Composite Structures</i> , <b>1986</b> , 5, 87-100	5.3	10
91	Hydrodenitrogenation of pyridine on MoP(010): Competition between hydrogenation and denitrification. <i>Inorganica Chimica Acta</i> , <b>2015</b> , 435, 30-37	2.7	9

90	Nanostructured titanium nitride for highly sensitive localized surface plasmon resonance biosensing. <i>Ceramics International</i> , <b>2020</b> , 46, 20993-20999	5.1	9
89	Electron-Beam Irradiation Strategies for Growth Behavior of Tin Dioxide Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 20523-20528	3.8	9
88	Polycondensation-type Ge nanofractal assembly. <i>Materials Today</i> , <b>2011</b> , 14, 106-113	21.8	9
87	Exploring the microstructural and electrical properties of SnO <sub>2</sub> nanorods prepared by a widely applicable route. <i>Acta Materialia</i> , <b>2009</b> , 57, 4632-4637	8.4	9
86	Defect evolution of nanocrystalline SnO <sub>2</sub> thin films induced by pulsed delivery during in situ annealing. <i>Acta Materialia</i> , <b>2009</b> , 57, 5078-5082	8.4	9
85	Theoretical characterization of ruthenium complexes containing functionalized bithiophene ligands for dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , <b>2011</b> , 696, 1632-1639	2.3	9
84	Compression Creep Behavior of High Volume Fraction of SiC Particles Reinforced Al Composite Fabricated by Pressureless Infiltration. <i>Chinese Journal of Aeronautics</i> , <b>2007</b> , 20, 115-119	3.7	9
83	Degradation of flip-chip-on-glass interconnection with ACF under high humidity and thermal aging. <i>Soldering and Surface Mount Technology</i> , <b>2002</b> , 14, 51-58	1.4	9
82	Probing into interesting effects of fractal Ge nanoclusters induced by Pd nanoparticles. <i>Inorganic Chemistry</i> , <b>2011</b> , 50, 6756-61	5.1	8
81	Bulk-quantity synthesis and electrical properties of SnO <sub>2</sub> nanowires prepared by pulsed delivery. <i>Materials Chemistry and Physics</i> , <b>2009</b> , 115, 660-663	4.4	8
80	A white-light interferometric surface plasmon resonance sensor with wide dynamic range and phase-sensitive response <b>2008</b> ,		8
79	Determination of glioma cells malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO <sub>2</sub> -CTFE-AuNIs plasmonic biosensor. <i>Chemical Engineering Journal</i> , <b>2021</b> , 415, 128948	14.7	8
78	Effects of mechanical strain on the performance of germanene sheets: Strength, failure behavior, and electronic structure. <i>Journal of Physics and Chemistry of Solids</i> , <b>2018</b> , 113, 201-209	3.9	7
77	Controllable Growth and Unexpected Effects of Ge Nanocrystals. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 9871-9878	3.8	7
76	Thermal-mechanical interface crack behaviour of a surface mount solder joint. <i>Finite Elements in Analysis and Design</i> , <b>1998</b> , 30, 19-30	2.2	7
75	Microstructure evolution and shear strength of Sn-3.5Ag-RE lead-free BGA solder balls		7
74	Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect. <i>Nano Research</i> , <b>2020</b> , 13, 3130-3136	10	7
73	Impact of diverse active sites on MoS <sub>2</sub> catalyst: Competition on active site formation and selectivity of thiophene hydrodesulfurization reaction. <i>Molecular Catalysis</i> , <b>2019</b> , 463, 67-76	3.3	7



72	Insights from investigations of tin dioxide and its composites: electron-beam irradiation, fractal assessment, and mechanism. <i>Nanoscale</i> , <b>2015</b> , 7, 15532-52	7.7	6
71	Fracture analysis of a welded front axle tube structure from a mini-truck. <i>Journal of Mechanical Science and Technology</i> , <b>2020</b> , 34, 109-116	1.6	6
70	Facile synthesis of hierarchical MnO superstructures and efficient catalytic performance. <i>Physical Chemistry Chemical Physics</i> , <b>2016</b> , 18, 26602-26608	3.6	6
69	A Review on Protection of Concrete for Sewage Installations and an Accelerated Test on Protection Systems. <i>HKIE Transactions</i> , <b>2012</b> , 19, 8-16	2.9	6
68	Impact Resistance of SM Joints Formed With ICA. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2003</b> , 125, 93-97	2	6
67	Reliability of ACF in flip-chip with various bump heights		6
66	Liquid metal induced embrittlement of a nitrided clutch shell of a motorbike. <i>Engineering Failure Analysis</i> , <b>2016</b> , 61, 54-61	3.2	6
65	Simultaneous Enhancement of Thermopower and Electrical Conductivity through Isovalent Substitution of Cerium in Bismuth Selenide Thermoelectric Materials. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 44026-44035	9.5	6
64	Effects of subnanometer silver clusters on the AgBr(110) photocatalyst surface: a theoretical investigation. <i>Catalysis Science and Technology</i> , <b>2015</b> , 5, 4821-4829	5.5	5
63	Theoretical insight into the spectral characteristics of Fe(II)-based complexes for dye-sensitized solar cells: Functionalized bipyridyl chromophores. <i>Journal of Organometallic Chemistry</i> , <b>2013</b> , 741-742, 168-175	2.3	5
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