

List of Publications by Year in descending order

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206
papers

6,287
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215
docs citations

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times ranked

7048
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Properties of lead-free solder alloys with rare earth element additions. <i>Materials Science and Engineering Reports</i> , 2004, 44, 1-44. | 14.8 | 522 |
| 2 | Recent Advances in Manganese Oxide Nanocrystals: Fabrication, Characterization, and Microstructure. <i>Chemical Reviews</i> , 2012, 112, 3833-3855. | 23.0 | 219 |
| 3 | Review and comparison of shearography and active thermography for nondestructive evaluation. <i>Materials Science and Engineering Reports</i> , 2009, 64, 73-112. | 14.8 | 188 |
| 4 | Recent Advances in Tin Dioxide Materials: Some Developments in Thin Films, Nanowires, and Nanorods. <i>Chemical Reviews</i> , 2014, 114, 7442-7486. | 23.0 | 146 |
| 5 | Direct detection of two different tumor-derived extracellular vesicles by SAM-AuNIs LSPR biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 94, 400-407. | 5.3 | 139 |
| 6 | Adsorption of gas molecules on Ga-doped graphene and effect of applied electric field: A DFT study. <i>Applied Surface Science</i> , 2017, 411, 11-17. | 3.1 | 137 |
| 7 | Graphene sheets via microwave chemical vapor deposition. <i>Chemical Physics Letters</i> , 2009, 467, 361-364. | 1.2 | 131 |
| 8 | N ⁺ P transition sensing behaviors of ZnO nanotubes exposed to NO ₂ gas. <i>Nanotechnology</i> , 2009, 20, 465501. | 1.3 | 126 |
| 9 | The properties of Sn-9Zn lead-free solder alloys doped with trace rare earth elements. <i>Journal of Electronic Materials</i> , 2002, 31, 921-927. | 1.0 | 111 |
| 10 | Intermetallic compounds growth between Sn ^{3.5} Ag lead-free solder and Cu substrate by dipping method. <i>Journal of Alloys and Compounds</i> , 2005, 392, 192-199. | 2.8 | 107 |
| 11 | The wettability and microstructure of Sn-Zn-RE alloys. <i>Journal of Electronic Materials</i> , 2003, 32, 63-69. | 1.0 | 106 |
| 12 | Creep behavior of eutectic Sn ⁴ Ag lead-free solder alloy. <i>Journal of Materials Research</i> , 2002, 17, 2897-2903. | 1.2 | 88 |
| 13 | Microstructure, solderability, and growth of intermetallic compounds of Sn-Ag-Cu-RE lead-free solder alloys. <i>Journal of Electronic Materials</i> , 2006, 35, 89-93. | 1.0 | 87 |
| 14 | Microstructure and mechanical properties of new lead-free Sn-Cu-RE solder alloys. <i>Journal of Electronic Materials</i> , 2002, 31, 928-932. | 1.0 | 83 |
| 15 | Silicon nanowire sensors for Hg ²⁺ and Cd ²⁺ ions. <i>Applied Physics Letters</i> , 2009, 94, . | 1.5 | 83 |
| 16 | Label-free sensing of exosomal MCT1 and CD147 for tracking metabolic reprogramming and malignant progression in glioma. <i>Science Advances</i> , 2020, 6, eaaz6119. | 4.7 | 82 |
| 17 | Electrochemical CO ₂ Reduction to C ₁ Products on Single Nickel/Cobalt/Iron ⁺ Doped Graphitic Carbon Nitride: A DFT Study. <i>ChemSusChem</i> , 2019, 12, 5126-5132. | 3.6 | 81 |
| 18 | Detection of Glioma ⁺ Derived Exosomes with the Biotinylated Antibody ⁺ Functionalized Titanium Nitride Plasmonic Biosensor. <i>Advanced Functional Materials</i> , 2019, 29, 1806761. | 7.8 | 79 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 19 | 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> , 2011, 115, 3753-3761. | 1.5 | 76 |
| 20 | Irradiated Graphene Loaded with SnO ₂ Quantum Dots for Energy Storage. <i>ACS Nano</i> , 2015, 9, 11351-11361. | 7.3 | 76 |
| 21 | The formation of nano-Ag ₃ Sn particles on the intermetallic compounds during wetting reaction. <i>Journal of Alloys and Compounds</i> , 2005, 389, 153-158. | 2.8 | 71 |
| 22 | White-light spectral interferometry for surface plasmon resonance sensing applications. <i>Optics Express</i> , 2011, 19, 4521. | 1.7 | 68 |
| 23 | Hierarchical Mesoporous MnO ₂ Superstructures Synthesized by Soft-Interface Method and Their Catalytic Performances. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 9776-9784. | 4.0 | 68 |
| 24 | Bimetallic Au-Ag alloy nanoislands for highly sensitive localized surface plasmon resonance biosensing. <i>Sensors and Actuators B: Chemical</i> , 2018, 265, 459-467. | 4.0 | 67 |
| 25 | Creep behavior of eutectic Sn-Cu lead-free solder alloy. <i>Journal of Electronic Materials</i> , 2002, 31, 442-448. | 1.0 | 65 |
| 26 | The adsorption of Ag ₃ Sn nano-particles on Cu-Sn intermetallic compounds of Sn-3Ag-0.5Cu/Cu during soldering. <i>Journal of Alloys and Compounds</i> , 2010, 492, 433-438. | 2.8 | 65 |
| 27 | Adsorption of formaldehyde on transition metal doped monolayer MoS ₂ : A DFT study. <i>Applied Surface Science</i> , 2019, 484, 1244-1252. | 3.1 | 65 |
| 28 | Microstructural evolution of oxides and semiconductor thin films. <i>Progress in Materials Science</i> , 2011, 56, 901-1029. | 16.0 | 64 |
| 29 | Fe-Species-Loaded Mesoporous MnO ₂ Superstructural Requirements for Enhanced Catalysis. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 3949-3959. | 4.0 | 61 |
| 30 | Initial Reduction of CO ₂ on Pd-, Ru-, and Cu-Doped CeO ₂ (111) Surfaces: Effects of Surface Modification on Catalytic Activity and Selectivity. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 26107-26117. | 4.0 | 61 |
| 31 | One-Step Synthesis of Mixed Lanthanide Metal-Organic Framework Films for Sensitive Temperature Mapping. <i>Advanced Optical Materials</i> , 2019, 7, 1900336. | 3.6 | 60 |
| 32 | Improvements of microstructure, wettability, tensile and creep strength of eutectic Sn-Ag alloy by doping with rare-earth elements. <i>Journal of Materials Research</i> , 2002, 17, 3146-3154. | 1.2 | 59 |
| 33 | Insight on Fractal Assessment Strategies for Tin Dioxide Thin Films. <i>ACS Nano</i> , 2010, 4, 1202-1208. | 7.3 | 59 |
| 34 | Adsorption of nucleobase pairs on hexagonal boron nitride sheet: hydrogen bonding versus stacking. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 10767. | 1.3 | 59 |
| 35 | 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> , 2014, 198, 416-423. | 4.0 | 56 |
| 36 | The effect of grain boundaries on the mechanical properties and failure behavior of hexagonal boron nitride sheets. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23716-23722. | 1.3 | 55 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | Synthesis of Hierarchical Porous ZnO Disklike Nanostructures for Improved Photovoltaic Properties of Dye-Sensitized Solar Cells. <i>Journal of Physical Chemistry C</i> , 2010, 114, 13157-13161. | 1.5 | 53 |
| 38 | Assembling Tin Dioxide Quantum Dots to Graphene Nanosheets by a Facile Ultrasonic Route. <i>Langmuir</i> , 2013, 29, 4111-4118. | 1.6 | 53 |
| 39 | Methanol Oxidation on Pt ₃ Sn(111) for Direct Methanol Fuel Cells: Methanol Decomposition. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 12194-12204. | 4.0 | 52 |
| 40 | Metal-free two-dimensional phosphorus carbide as an efficient electrocatalyst for hydrogen evolution reaction comparable to platinum. <i>Nano Energy</i> , 2020, 71, 104603. | 8.2 | 52 |
| 41 | Durability of concrete with high cement replacement. <i>Cement and Concrete Research</i> , 2000, 30, 865-879. | 4.6 | 51 |
| 42 | First-principles insight into the photoelectronic properties of Ge-based perovskites. <i>RSC Advances</i> , 2016, 6, 86976-86981. | 1.7 | 51 |
| 43 | Single transition metal atoms on nitrogen-doped carbon for CO ₂ electrocatalytic reduction: CO production or further CO reduction?. <i>Applied Surface Science</i> , 2020, 533, 147466. | 3.1 | 47 |
| 44 | Effect of Y ₂ O ₃ particles on microstructure formation and shear properties of Sn-58Bi solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2010, 21, 1046-1054. | 1.1 | 46 |
| 45 | Label-free detection of 3-nitro-L-tyrosine with nickel-doped graphene localized surface plasmon resonance biosensor. <i>Biosensors and Bioelectronics</i> , 2017, 89, 468-476. | 5.3 | 46 |
| 46 | Rare-earth additions to lead-free electronic solders. <i>Journal of Materials Science: Materials in Electronics</i> , 2006, 18, 77-91. | 1.1 | 45 |
| 47 | Nitrated tyrosine adsorption on metal-doped graphene: A DFT study. <i>Computational Materials Science</i> , 2012, 51, 141-145. | 1.4 | 45 |
| 48 | Encapsulating Co ₂ P@C Core-Shell Nanoparticles in a Porous Carbon Sandwich as Dual-Doped Electrocatalyst for Hydrogen Evolution. <i>ChemSusChem</i> , 2018, 11, 376-388. | 3.6 | 45 |
| 49 | Developing a lead-free solder alloy Sn-Bi-Ag-Cu by mechanical alloying. <i>Journal of Electronic Materials</i> , 2000, 29, 1015-1020. | 1.0 | 44 |
| 50 | 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> , 2005, 20, 2205-2212. | 1.2 | 44 |
| 51 | Failure analysis of tube-to-tubesheet welded joints in a shell-tube heat exchanger. <i>Case Studies in Engineering Failure Analysis</i> , 2016, 7, 32-40. | 1.2 | 43 |
| 52 | 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> , 2021, 191, 113476. | 5.3 | 42 |
| 53 | Differential spectral phase interferometry for wide dynamic range surface plasmon resonance biosensing. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1593-1598. | 5.3 | 41 |
| 54 | Residual shear strength of Sn-Ag and Sn-Bi lead-free SMT joints after thermal shock. <i>IEEE Transactions on Advanced Packaging</i> , 2000, 23, 708-714. | 1.7 | 40 |

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|----|---|-----|-----------|
| 55 | DFT/TD-DFT Investigation of Electronic Structures and Spectra Properties of Cu-Based Dye Sensitizers. <i>Journal of Physical Chemistry A</i> , 2010, 114, 1178-1184. | 1.1 | 40 |
| 56 | Microstructure evolution and advanced performance of Mn ₃ O ₄ nanomorphologies. <i>Nanoscale</i> , 2012, 4, 2590. | 2.8 | 40 |
| 57 | Mechanical properties and failure behaviors of the interface of hybrid graphene/hexagonal boron nitride sheets. <i>Scientific Reports</i> , 2016, 6, 31499. | 1.6 | 40 |
| 58 | Plasmonic enhanced dye-sensitized solar cells with self-assembly gold-TiO ₂ @core-shell nanoislands. <i>Solar Energy</i> , 2014, 99, 115-125. | 2.9 | 39 |
| 59 | Activity origin and design principles for atomic vanadium anchoring on phosphorene monolayer for nitrogen reduction reaction. <i>Nano Research</i> , 2020, 13, 2925-2932. | 5.8 | 39 |
| 60 | Common-path spectral interferometry with temporal carrier for highly sensitive surface plasmon resonance sensing. <i>Optics Express</i> , 2013, 21, 20268. | 1.7 | 38 |
| 61 | Lead free solder alloys Sn-Zn and Sn-Sb prepared by mechanical alloying. <i>Journal of Materials Science: Materials in Electronics</i> , 2000, 11, 57-65. | 1.1 | 37 |
| 62 | The effects of bump height on the reliability of ACF in flip-chip. <i>Soldering and Surface Mount Technology</i> , 2001, 13, 25-30. | 0.9 | 37 |
| 63 | Tensile Failure Mechanisms of Sisal Fibers in Composites. <i>Journal of Materials Science Letters</i> , 1998, 17, 1805-1807. | 0.5 | 35 |
| 64 | Computational Investigation on the Effect of Graphene Oxide Sheets as Nanofillers in Poly(vinyl Tj ETQq0 0 0 rgBT/Overlock_10 Tf 50 3 | 1.5 | 35 |
| 65 | Synthesis of an Al ₂ O ₃ /Al co-continuous composite by reactive melt infiltration. <i>Materials Characterization</i> , 2007, 58, 416-422. | 1.9 | 33 |
| 66 | Interactions between polybrominated diphenyl ethers and graphene surface: a DFT and MD investigation. <i>Environmental Science: Nano</i> , 2014, 1, 55-63. | 2.2 | 32 |
| 67 | Mechanical properties and failure behavior of hexagonal boron nitride sheets with nano-cracks. <i>Computational Materials Science</i> , 2017, 140, 356-366. | 1.4 | 32 |
| 68 | 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> , 2000, 29, 1021-1026. | 1.0 | 31 |
| 69 | Formation of orthorhombic SnO ₂ originated from lattice distortion by Mn-doped tetragonal SnO ₂ . <i>RSC Advances</i> , 2015, 5, 39285-39290. | 1.7 | 30 |
| 70 | Heterojunctions and optical properties of ZnO/SnO ₂ nanocomposites adorned with quantum dots. <i>Solar Energy Materials and Solar Cells</i> , 2014, 128, 254-259. | 3.0 | 29 |
| 71 | 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> , 2017, 89, 1985-1993. | 3.2 | 25 |
| 72 | Degradation mechanisms of anisotropic conductive adhesive joints for flip chip on flex applications. , O, , . | | 24 |

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|----|--|-----|-----------|
| 73 | Al-Induced Crystallization of Amorphous Ge and Formation of Fractal Ge Micro-/Nanoclusters. <i>Inorganic Chemistry</i> , 2012, 51, 8473-8478. | 1.9 | 23 |
| 74 | Differential phase-detecting localized surface plasmon resonance sensor with self-assembly gold nano-islands. <i>Optics Letters</i> , 2015, 40, 1924. | 1.7 | 23 |
| 75 | Structures and electronic properties of vacancies at the interface of hybrid graphene/hexagonal boron nitride sheet. <i>Computational Materials Science</i> , 2016, 117, 172-179. | 1.4 | 22 |
| 76 | Determination of glioma cells' malignancy and their response to TMZ via detecting exosomal BIGH3 by a TiO ₂ -CTFE-AuNIs plasmonic biosensor. <i>Chemical Engineering Journal</i> , 2021, 415, 128948. | 6.6 | 22 |
| 77 | High-Performance CdSe:In Nanowire Field-Effect Transistors Based on Top-Gate Configuration with High- ϵ Non-Oxide Dielectrics. <i>Journal of Physical Chemistry C</i> , 2010, 114, 4663-4668. | 1.5 | 21 |
| 78 | Dielectric functionalization for differential phase detecting localized surface plasmon resonance biosensor. <i>Sensors and Actuators B: Chemical</i> , 2016, 234, 247-254. | 4.0 | 21 |
| 79 | First-row transition metal embedded pyrazine-based graphynes as high-performance single atom catalysts for the CO ₂ reduction reaction. <i>Journal of Materials Chemistry A</i> , 2022, 10, 9048-9058. | 5.2 | 21 |
| 80 | Nonlinear analysis of edge effects in angle-ply laminates. <i>Computers and Structures</i> , 1987, 25, 787-798. | 2.4 | 20 |
| 81 | Creep resistance of tin-based lead-free solder alloys. <i>Journal of Electronic Materials</i> , 2005, 34, 1373-1377. | 1.0 | 20 |
| 82 | Thermal fatigue behaviour of SiCp/Al composite synthesized by metal infiltration. <i>Composites Part A: Applied Science and Manufacturing</i> , 2006, 37, 1858-1862. | 3.8 | 20 |
| 83 | Label-free surface plasmon resonance biosensing with titanium nitride thin film. <i>Biosensors and Bioelectronics</i> , 2018, 106, 129-135. | 5.3 | 20 |
| 84 | Investigation on mechanical performances of grain boundaries in hexagonal boron nitride sheets. <i>International Journal of Mechanical Sciences</i> , 2018, 149, 262-272. | 3.6 | 20 |
| 85 | Site specific biotinylated antibody functionalized Ag@AuNIs LSPR biosensor for the ultrasensitive detection of exosomal MCT4, a glioblastoma progression biomarker. <i>Chemical Engineering Journal</i> , 2022, 446, 137383. | 6.6 | 20 |
| 86 | Thermal and mechanical fatigue analysis of CFRP laminates. <i>Composite Structures</i> , 1993, 25, 339-344. | 3.1 | 19 |
| 87 | Theoretical investigation on the hydrogen evolution reaction mechanism at MoS ₂ heterostructures: the essential role of the 1T/2H phase interface. <i>Catalysis Science and Technology</i> , 2020, 10, 458-465. | 2.1 | 19 |
| 88 | Nonlinear thermal and mechanical analysis of edge effects in angle-ply laminates. <i>Computers and Structures</i> , 1990, 35, 705-717. | 2.4 | 18 |
| 89 | Microstructural evolution of lead-free Sn-Bi-Ag-Cu SMT joints during aging. <i>IEEE Transactions on Advanced Packaging</i> , 2005, 28, 128-133. | 1.7 | 18 |
| 90 | 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> , 2014, 1369, 181-185. | 1.8 | 18 |

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|-----|---|-----|-----------|
| 91 | Enhanced Hydrogen Purification in Nanoporous Phosphorene Membrane with Applied Electric Field. <i>Journal of Physical Chemistry C</i> , 2018, 122, 3497-3505. | 1.5 | 18 |
| 92 | Simultaneous Enhancement of Thermopower and Electrical Conductivity through Isovalent Substitution of Cerium in Bismuth Selenide Thermoelectric Materials. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 44026-44035. | 4.0 | 18 |
| 93 | Interfacial microstructure and strength of lead-free Sn-Zn-RE BGA solder bumps. <i>IEEE Transactions on Advanced Packaging</i> , 2005, 28, 252-258. | 1.7 | 17 |
| 94 | Pulsed Laser Ablation for Tin Dioxide: Nucleation, Growth, and Microstructures. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2008, 33, 197-209. | 6.8 | 17 |
| 95 | Mechanistic Insight into Catalytic Oxidation of Ammonia on Clean, OH- and OH-Assisted Ir(100) Surfaces. <i>ChemCatChem</i> , 2013, 5, 1832-1841. | 1.8 | 17 |
| 96 | CO tolerance of a Pt ₃ /Sn(111) catalyst in ethanol decomposition. <i>Catalysis Science and Technology</i> , 2015, 5, 3246-3258. | 2.1 | 17 |
| 97 | Facile fabrication and application of SnO ₂ /ZnO nanocomposites: insight into chain-like frameworks, heterojunctions and quantum dots. <i>RSC Advances</i> , 2016, 6, 82096-82102. | 1.7 | 17 |
| 98 | Effect of alloying on the stabilities and catalytic properties of Ag-Au bimetallic subnanoclusters: a theoretical investigation. <i>Journal of Materials Science</i> , 2016, 51, 5046-5060. | 1.7 | 17 |
| 99 | Nanostructured titanium nitride for highly sensitive localized surface plasmon resonance biosensing. <i>Ceramics International</i> , 2020, 46, 20993-20999. | 2.3 | 17 |
| 100 | Simple near-infrared photodetector based on charge transfer complexes formed in molybdenum oxide doped N,N'-di(naphthalene-1-yl)-N,N'-diphenylbenzidine. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016, 6, 129-131. | 1.6 | 16 |
| 101 | Compressive strength and hot deformation mechanisms in as-cast Mg-4Al-2Ba-2Ca (ABaX422) alloy. <i>Philosophical Magazine</i> , 2013, 93, 4364-4377. | 0.7 | 16 |
| 102 | Methanol oxidation on Ru(0001) for direct methanol fuel cells: analysis of the competitive reaction mechanism. <i>RSC Advances</i> , 2016, 6, 1729-1737. | 1.7 | 16 |
| 103 | Defect-sensitive performance of silicene sheets under uniaxial tension: mechanical properties, electronic structures and failure behavior. <i>RSC Advances</i> , 2017, 7, 10306-10315. | 1.7 | 16 |
| 104 | Adsorption of SF ₆ Decomposed Species on Ti ₃ C ₂ O ₂ and Ti ₃ C ₂ F ₂ with Point Defects by DFT Study. <i>Advanced Theory and Simulations</i> , 2021, 4, 2100074. | 1.3 | 16 |
| 105 | Boron nitride nanotubes as novel sorbent for solid-phase microextraction of polycyclic aromatic hydrocarbons in environmental water samples. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5751-5754. | 1.9 | 15 |
| 106 | Recent research situation in tin dioxide nanomaterials: synthesis, microstructures, and properties. <i>Frontiers of Materials Science</i> , 2013, 7, 203-226. | 1.1 | 13 |
| 107 | Morphology and strain control of hierarchical cobalt oxide nanowire electrocatalysts via solvent effect. <i>Nano Research</i> , 2020, 13, 3130-3136. | 5.8 | 13 |
| 108 | Stiffness behaviour of injection moulded short glass fibre/impact modifier/polypropylene hybrid composites. <i>Journal of Materials Processing Technology</i> , 1999, 96, 48-52. | 3.1 | 12 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 109 | Degradation of flip-chip-glass interconnection with ACF under high humidity and thermal aging. Soldering and Surface Mount Technology, 2002, 14, 51-58. | 0.9 | 12 |
| 110 | Morphological Study of Sisal Fibres. Advanced Composites Letters, 2002, 11, 096369350201100. | 1.3 | 12 |
| 111 | Preparation and photoelectrochemical properties of BiFeO ₃ /BiOI composites. RSC Advances, 2020, 10, 26658-26663. | 1.7 | 12 |
| 112 | Enhanced Thermoelectric Performance of Bulk Bismuth Selenide: Synergistic Effect of Indium and Antimony Co-doping. ACS Sustainable Chemistry and Engineering, 2022, 10, 3862-3871. | 3.2 | 12 |
| 113 | Bolted joints in a laminated composite strut design expert system. Composite Structures, 1992, 22, 63-85. | 3.1 | 11 |
| 114 | Title is missing!. Journal of Materials Science Letters, 2000, 19, 1155-1157. | 0.5 | 11 |
| 115 | Microstructure evolution and shear strength of Sn-3.5Ag-RE lead-free BGA solder balls. , 0, , . | | 11 |
| 116 | Compression Creep Behavior of High Volume Fraction of SiC Particles Reinforced Al Composite Fabricated by Pressureless Infiltration. Chinese Journal of Aeronautics, 2007, 20, 115-119. | 2.8 | 11 |
| 117 | Biosensing with gain-assisted surface plasmon-polariton amplifier: A computational investigation. Sensors and Actuators B: Chemical, 2015, 210, 36-45. | 4.0 | 11 |
| 118 | Hydrodenitrogenation of pyridine on MoP(010): Competition between hydrogenation and denitrification. Inorganica Chimica Acta, 2015, 435, 30-37. | 1.2 | 11 |
| 119 | Impact of diverse active sites on MoS ₂ catalyst: Competition on active site formation and selectivity of thiophene hydrodesulfurization reaction. Molecular Catalysis, 2019, 463, 67-76. | 1.0 | 11 |
| 120 | Ultralow Thermal Conductivity in Dual-Doped n-Type Bi ₂ Te ₃ Material for Enhanced Thermoelectric Properties. Advanced Electronic Materials, 2021, 7, 2000910. | 2.6 | 11 |
| 121 | Surface Engineering of Flower-Like Ionic Liquid-Functionalized Graphene Anchoring Palladium Nanocrystals for a Boosted Ethanol Oxidation Reaction. Inorganic Chemistry, 2021, 60, 17388-17397. | 1.9 | 11 |
| 122 | Analysis of tapered (in steps) laminated plates under uniform inplane load. Composite Structures, 1986, 5, 87-100. | 3.1 | 10 |
| 123 | A white-light interferometric surface plasmon resonance sensor with wide dynamic range and phase-sensitive response. , 2008, , . | | 10 |
| 124 | Electron-Beam Irradiation Strategies for Growth Behavior of Tin Dioxide Nanocrystals. Journal of Physical Chemistry C, 2011, 115, 20523-20528. | 1.5 | 10 |
| 125 | Theoretical Screening of Transition Metal-Embedded Ti ₂ N for High-Efficiency Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2022, 10, 4152-4160. | 3.2 | 10 |
| 126 | Exploring the microstructural and electrical properties of SnO ₂ nanorods prepared by a widely applicable route. Acta Materialia, 2009, 57, 4632-4637. | 3.8 | 9 |

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|-----|---|-----|-----------|
| 127 | Defect evolution of nanocrystalline SnO ₂ thin films induced by pulsed delivery during in situ annealing. <i>Acta Materialia</i> , 2009, 57, 5078-5082. | 3.8 | 9 |
| 128 | Probing into Interesting Effects of Fractal Ge Nanoclusters Induced by Pd Nanoparticles. <i>Inorganic Chemistry</i> , 2011, 50, 6756-6761. | 1.9 | 9 |
| 129 | Polycondensation-type Ge nanofractal assembly. <i>Materials Today</i> , 2011, 14, 106-113. | 8.3 | 9 |
| 130 | Theoretical characterization of ruthenium complexes containing functionalized bithiophene ligands for dye-sensitized solar cells. <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1632-1639. | 0.8 | 9 |
| 131 | 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> , 2018, 113, 201-209. | 1.9 | 9 |
| 132 | Rational Design and Effective Control of Gold-Based Bimetallic Electrocatalyst for Boosting CO ₂ Reduction Reaction: A First-Principles Study. <i>ChemSusChem</i> , 2021, 14, 2731-2739. | 3.6 | 9 |
| 133 | Bulk-quantity synthesis and electrical properties of SnO ₂ nanowires prepared by pulsed delivery. <i>Materials Chemistry and Physics</i> , 2009, 115, 660-663. | 2.0 | 8 |
| 134 | Controllable Growth and Unexpected Effects of Ge Nanocrystals. <i>Journal of Physical Chemistry C</i> , 2011, 115, 9871-9878. | 1.5 | 8 |
| 135 | A Review on Protection of Concrete for Sewage Installations and an Accelerated Test on Protection Systems. <i>HKIE Transactions</i> , 2012, 19, 8-16. | 1.9 | 8 |
| 136 | Fracture analysis of a welded front axle tube structure from a mini-truck. <i>Journal of Mechanical Science and Technology</i> , 2020, 34, 109-116. | 0.7 | 8 |
| 137 | Can Charge-Modulated Metal-Organic Frameworks Achieve High-Performance CO ₂ Capture and Separation over H ₂ , N ₂ , and CH ₄ ? <i>ChemSusChem</i> , 2022, 15, . | 3.6 | 8 |
| 138 | Thermal-mechanical interface crack behaviour of a surface mount solder joint. <i>Finite Elements in Analysis and Design</i> , 1998, 30, 19-30. | 1.7 | 7 |
| 139 | On the tearing fracture of polycarbonate films. <i>Polymer Testing</i> , 2007, 26, 102-107. | 2.3 | 7 |
| 140 | Effects of subnanometer silver clusters on the AgBr(110) photocatalyst surface: a theoretical investigation. <i>Catalysis Science and Technology</i> , 2015, 5, 4821-4829. | 2.1 | 7 |
| 141 | Liquid metal induced embrittlement of a nitrided clutch shell of a motorbike. <i>Engineering Failure Analysis</i> , 2016, 61, 54-61. | 1.8 | 7 |
| 142 | Effect of cracks on thermal stress and strain of a tape automated bonded package. <i>Composite Structures</i> , 1997, 38, 525-530. | 3.1 | 6 |
| 143 | Passive phase demodulation and laser-noise compensation scheme for fibre interferometers. <i>Electronics Letters</i> , 2000, 36, 1362. | 0.5 | 6 |
| 144 | Reliability of ACF in flip-chip with various bump heights. , 0, , . | | 6 |

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