

# Zongtao Li

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/1314645/zongtao-li-publications-by-year.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

281  
papers

4,655  
citations

36  
h-index

50  
g-index

320  
ext. papers

6,024  
ext. citations

4.8  
avg. IF

6.12  
L-index

#	Paper	IF	Citations
281	Fabrication and pool boiling performance assessment of microgroove array surfaces with secondary micro-structures for high power applications. <i>Renewable Energy</i> , <b>2022</b> , 187, 790-800	8.1	0
280	Tribological Performance of Circular-Concave-and-Spherical-Convex Compound Texture Under Hydrodynamic Lubrication. <i>Journal of Tribology</i> , <b>2022</b> , 144,	1.8	1
279	Improving Ambient Contrast Ratio and Color Uniformity of Mini Full Color Light-Emitting Diodes Using an SiO <sub>2</sub> /Graphite Bilayered Packaging Structure. <i>Journal of Electronic Packaging, Transactions of the ASME</i> , <b>2022</b> , 144,	2	5
278	Polystyrene-Fiber-Rod Hybrid Composite Structure for Optical Enhancement in Quantum-Dot-Converted Light-Emitting Diodes. <i>ACS Applied Polymer Materials</i> , <b>2022</b> , 4, 91-99	4.3	2
277	Thermal and optical investigations of self-loop system based on liquid quantum dots for laser lighting. <i>Optics and Laser Technology</i> , <b>2022</b> , 152, 108175	4.2	1
276	Phosphor-in-glass (PIG) converter sintered by a fast Joule heating process for high-power laser-driven white lighting. <i>Optics Express</i> , <b>2021</b> , 29, 14218-14230	3.3	3
275	Highly Efficient Liquid-Quantum Dot/Melamine- Modified Urea-Formaldehyde Microcapsules for White Light-Emitting Diodes. <i>IEEE Electron Device Letters</i> , <b>2021</b> , 42, 533-536	4.4	1
274	Unraveling the Origin of Low Optical Efficiency for Quantum Dot White Light-Emitting Diodes From the Perspective of Aggregation-Induced Scattering Effect. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 1738-1745	2.9	2
273	Study on Convective Flow Behaviors of Phosphor Particles During Curing Process of Silicone and the Influences on the Optical Performance of White LEDs. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 2778-2784	2.9	3
272	Research on Laser Illumination Based on Phosphor in Metal (PiM) by Utilizing the Boron Nitride-Coated Copper Foams. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 29996-30007	9.5	2
271	Effect of stagger angle on capillary performance of microgroove structures with reentrant cavities. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 1436-1446	3.5	1
270	Water-stable CsPbBr <sub>3</sub> perovskite quantum-dot luminous fibers fabricated by centrifugal spinning for dual white light illumination and communication. <i>Photonics Research</i> , <b>2021</b> , 9, 1559	6	2
269	Capillary wicking in double-scale composite microgroove wicks for copper-aluminum composite vapor chambers. <i>International Communications in Heat and Mass Transfer</i> , <b>2021</b> , 126, 105449	5.8	1
268	One-step laser induced conversion of a gelatin-coated polyimide film into graphene: Tunable morphology, surface wettability and microsupercapacitor applications. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 1030-1040	3.5	6
267	Controlling the laser induction and cutting process on polyimide films for kirigami-inspired supercapacitor applications. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 651-661	3.5	7
266	Thermal performance enhancement of an ultra-thin flattened heat pipe with multiple wick structure. <i>Applied Thermal Engineering</i> , <b>2021</b> , 183, 116203	5.8	8
265	Green and facile fabrication of porous titanium dioxide as efficient sulfur host for advanced lithium-sulfur batteries: An air oxidation strategy. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 583, 157-165	9.3	8

264	Wicking capability evaluation of multilayer composite micromesh wicks for ultrathin two-phase heat transfer devices. <i>Renewable Energy</i> , <b>2021</b> , 163, 921-929	8.1	9
263	Toward 200 Lumens per Watt of Quantum-Dot White-Light-Emitting Diodes by Reducing Reabsorption Loss. <i>ACS Nano</i> , <b>2021</b> , 15, 550-562	16.7	33
262	Review of blue perovskite light emitting diodes with optimization strategies for perovskite film and device structure. <i>Opto-Electronic Advances</i> , <b>2021</b> , 4, 20001901-20001915	6.5	8
261	Challenges and recent progress in thermal management with heat pipes for lithium-ion power batteries in electric vehicles. <i>Science China Technological Sciences</i> , <b>2021</b> , 64, 919-956	3.5	7
260	Eliminating the Residual Ultraviolet Excitation Light and Increasing Quantum Dot Emission Intensity in LED Display Devices. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 584-591	2.9	0
259	A Sandwich Structure Light-Trapping Fluorescence Antenna With Large Field of View for Visible Light Communication. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 565-571	2.9	7
258	Enhanced Optical and Thermal Performance of QD White LEDs Using a Centrifugation Packaging Structure. <i>IEEE Photonics Technology Letters</i> , <b>2021</b> , 33, 727-730	2.2	
257	Manufacturing of a 3D finned tube for enhanced boiling and condensation using rolling-cutting-extruding composite forming. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2021</b> , 117, 1859	3.2	0
256	Enhanced Photoluminescence Intensity of Quantum Dot Films With the Sandwich Column Array Structure by Uniform Electrical Induction. <i>IEEE Transactions on Electron Devices</i> , <b>2021</b> , 68, 4522-4528	2.9	1
255	Multi-scale metal mesh based triboelectric nanogenerator for mechanical energy harvesting and respiratory monitoring. <i>Nano Energy</i> , <b>2021</b> , 89, 106423	17.1	9
254	Experimental investigation on wettability and capillary performance of ultrasonic modified grooved aluminum wicks. <i>International Journal of Heat and Mass Transfer</i> , <b>2021</b> , 179, 121642	4.9	2
253	Study of the Optical Properties of Multi-Particle Phosphors by the FDTD and Ray Tracing Combined Method. <i>Photonics</i> , <b>2020</b> , 7, 126	2.2	2
252	The Detail Study on the Effect of the Flow During The Curing Process of phosphor Particles on the Color Performance <b>2020</b> ,		1
251	. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 2418-2424	2.9	1
250	Pool boiling enhancement of novel interconnected microchannels with reentrant cavities for high-power electronics cooling. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 156, 119836	4.9	8
249	Study on the Separation Packaging Structure of Quantum Dot Phosphor Hybrid White Light-Emitting Diodes for Backlight Display. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2020</b> , 10, 1204-1211	1.7	3
248	Extraordinary boiling enhancement through micro-chimney effects in gradient porous micromeshes for high-power applications. <i>Energy Conversion and Management</i> , <b>2020</b> , 209, 112665	10.6	19
247	Laser-induced and KOH-activated 3D graphene: A flexible activated electrode fabricated via direct laser writing for in-plane micro-supercapacitors. <i>Chemical Engineering Journal</i> , <b>2020</b> , 393, 124672	14.7	39

246	Hierarchically 3D-textured copper surfaces with enhanced wicking properties for high-power cooling. <i>Applied Thermal Engineering</i> , <b>2020</b> , 178, 115650	5.8	5
245	CuO nanoflowers/copper fiber felt integrated porous electrode for lithium-ion batteries. <i>Science China Technological Sciences</i> , <b>2020</b> , 63, 2423-2434	3.5	2
244	Toward one-hundred-watt-level applications of quantum dot converters in high-power light-emitting diode system using water-cooling remote structure. <i>Applied Thermal Engineering</i> , <b>2020</b> , 179, 115666	5.8	3
243	Modification of interface between PEDOT:PSS and perovskite film inserting an ultrathin LiF layer for enhancing efficiency of perovskite light-emitting diodes. <i>Organic Electronics</i> , <b>2020</b> , 81, 105675	3.5	10
242	A review on silicon nanowire-based anodes for next-generation high-performance lithium-ion batteries from a material-based perspective. <i>Sustainable Energy and Fuels</i> , <b>2020</b> , 4, 1577-1594	5.8	47
241	Experimental and numerical investigation on a novel heat pipe based cooling strategy for permanent magnet synchronous motors. <i>Applied Thermal Engineering</i> , <b>2020</b> , 170, 114970	5.8	25
240	A Highly Stretchable Microsupercapacitor Using Laser-Induced Graphene/NiO/Co3O4 Electrodes on a Biodegradable Waterborne Polyurethane Substrate. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900903	6.8	38
239	Highly Efficient and Water-Stable Lead Halide Perovskite Quantum Dots Using Superhydrophobic Aerogel Inorganic Matrix for White Light-Emitting Diodes. <i>Advanced Materials Technologies</i> , <b>2020</b> , 5, 1900941	6.8	32
238	An optimized phosphor model coupled with thermal and optical behavior and a thereof ring-shaped phosphor convertor for improving thermal uniformity in laser illuminations. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 114, 104552	5.8	1
237	A strongly hydrophobic and serum-repelling surface composed of CrN films deposited on laser-patterned microstructures that was optimized with an orthogonal experiment. <i>Surface and Coatings Technology</i> , <b>2020</b> , 391, 125708	4.4	7
236	. <i>IEEE Journal of Quantum Electronics</i> , <b>2020</b> , 56, 1-9	2	7
235	Numerical study on the scattering property of porous polymer structures via supercritical CO microcellular foaming. <i>Applied Optics</i> , <b>2020</b> , 59, 4533-4541	1.7	2
234	Efficiency enhancement of quantum dot-phosphor hybrid white-light-emitting diodes using a centrifugation-based quasi-horizontal separation structure. <i>Optics Express</i> , <b>2020</b> , 28, 13279-13289	3.3	5
233	Bioinspired high-scattering polymer films fabricated by polymerization-induced phase separation. <i>Optics Letters</i> , <b>2020</b> , 45, 2918-2921	3	5
232	Design and interface optimization of a sandwich-structured cathode for lithium-sulfur batteries. <i>Chemical Engineering Journal</i> , <b>2020</b> , 381, 122648	14.7	13
231	Improvement on the heat dissipation of permanent magnet synchronous motor using heat pipe. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , <b>2020</b> , 234, 1249-1259	1.4	2
230	Pool boiling heat transfer of multi-scale composite copper powders fabricated by sintering-alloying-dealloying treatment. <i>International Journal of Heat and Mass Transfer</i> , <b>2020</b> , 147, 118962	4.9	9
229	Tailoring the surface morphology and nanoparticle distribution of laser-induced graphene/Co3O4 for high-performance flexible microsupercapacitors. <i>Applied Surface Science</i> , <b>2020</b> , 504, 144487	6.7	51

228	Experimental study of a large-area ultra-thin flat heat pipe for solar collectors under different cooling conditions. <i>Renewable Energy</i> , <b>2020</b> , 149, 1032-1039	8.1	13
227	Waterway design of an external rotor permanent magnet synchronous generator. <i>Heat and Mass Transfer</i> , <b>2020</b> , 56, 1249-1261	2.2	
226	Passive Direct Methanol-Hydrogen Peroxide Fuel Cell with Reduced Graphene Oxide-Supported Prussian Blue as Catalyst. <i>Energy Technology</i> , <b>2020</b> , 8, 1901360	3.5	5
225	CO2 bubble behaviors and two-phase flow characteristics in single-serpentine sinusoidal corrugated channels of direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2020</b> , 450, 227621	8.9	10
224	Preparation of Flexible Carbon Fiber Fabrics with Adjustable Surface Wettability for High-Efficiency Electromagnetic Interference Shielding. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 49030-49041	9.5	24
223	A laser-driven phosphor converted system with enhanced optical efficiency by using light-recycling dichroic filters. <i>Journal of Luminescence</i> , <b>2020</b> , 223, 117180	3.8	7
222	Immobilizing Polysulfide by In Situ Topochemical Oxidation Derivative TiC@Carbon-Included TiO Core-Shell Sulfur Hosts for Advanced Lithium-Sulfur Batteries. <i>Small</i> , <b>2020</b> , 16, e2005998	11	9
221	Capillary performance characterization of porous sintered stainless steel powder wicks for stainless steel heat pipes. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 116, 104702	5.8	9
220	All-printed soft triboelectric nanogenerator for energy harvesting and tactile sensing. <i>Nano Energy</i> , <b>2020</b> , 78, 105288	17.1	7
219	Effect of inclination angle on the thermal performance of an ultrathin heat pipe with multi-scale wick structure. <i>International Communications in Heat and Mass Transfer</i> , <b>2020</b> , 118, 104908	5.8	4
218	Improving Optical Performance of NUV-LEDs by Highly Reflective BN/Silicone Structures. <i>IEEE Photonics Technology Letters</i> , <b>2020</b> , 32, 1345-1348	2.2	1
217	Enhancing Luminous Efficiency of Quantum Dot-Based Chip-on-Board Light-Emitting Diodes Using Polystyrene Fiber Mats. <i>IEEE Transactions on Electron Devices</i> , <b>2020</b> , 67, 4530-4533	2.9	3
216	Detailed Study of Optical and Thermal Performance for White Light-Emitting Diodes With Filament-Like Packaging Structures. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2020</b> , 10, 2018-2026	1.7	
215	High Voltage Microsupercapacitors Fabricated and Assembled by Laser Carving. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 45541-45548	9.5	5
214	Overview on the applications of three-dimensional printing for rechargeable lithium-ion batteries. <i>Applied Energy</i> , <b>2020</b> , 257, 114002	10.7	31
213	Thermal performance enhancement of micro-grooved aluminum flat plate heat pipes applied in solar collectors. <i>Renewable Energy</i> , <b>2020</b> , 146, 2234-2242	8.1	15
212	Precise WEDM of micro-textured mould for micro-injection molding of hydrophobic polymer surface. <i>Materials and Manufacturing Processes</i> , <b>2019</b> , 34, 1342-1351	4.1	11
211	Synthesis of Highly Photoluminescent All-Inorganic CsPbX Nanocrystals via Interfacial Anion Exchange Reactions. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	6

210	Lifetime Enhancement of a Circulated Cooling Perovskite Quantum Dots Colloidal Solution System for Laser Illuminations. <i>IEEE Access</i> , <b>2019</b> , 7, 136214-136222	3.5	4
209	Finite element analysis for mechanics of guiding catheters in transfemoral intervention. <i>Journal of Cardiac Surgery</i> , <b>2019</b> , 34, 690-699	1.3	1
208	An ultra-thin carbon-fabric/graphene/poly(vinylidene fluoride) film for enhanced electromagnetic interference shielding. <i>Nanoscale</i> , <b>2019</b> , 11, 13587-13599	7.7	45
207	Manufacturing and single-phase thermal performance of an arc-shaped inner finned tube for heat exchanger. <i>Applied Thermal Engineering</i> , <b>2019</b> , 159, 113817	5.8	2
206	. <i>IEEE Access</i> , <b>2019</b> , 7, 77642-77648	3.5	21
205	Study on the Thermal and Optical Performance of Quantum Dot White Light-Emitting Diodes Using Metal-Based Inverted Packaging Structure. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 3020-3027	2.9	31
204	Honeycomb-Inspired Surface-Patterned Cu@CuO Composite Current Collector for Lithium-Ion Batteries. <i>Energy Technology</i> , <b>2019</b> , 7, 1900445	3.5	9
203	Enhanced Photoluminescence in Quantum Dots/Boronic Polymer Hybrid Films Fabricated by Microcellular Foaming. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1900223	8.1	25
202	Largely Enhancing Luminous Efficacy, Color-Conversion Efficiency, and Stability for Quantum-Dot White LEDs Using the Two-Dimensional Hexagonal Pore Structure of SBA-15 Mesoporous Particles. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 18808-18816	9.5	27
201	Ultrasonication-assisted synthesis of CsPbBr and CsPbBr perovskite nanocrystals and their reversible transformation. <i>Beilstein Journal of Nanotechnology</i> , <b>2019</b> , 10, 666-676	3	24
200	The effect of electrical charge density on the transition behavior between bonding and clogging stages of an electroplated porous surface. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 271, 1-9	5.3	2
199	Investigating the transformation of CsPbBr nanocrystals into highly stable CsPbBr/CsPbBr nanocrystals using ethyl acetate in a microchannel reactor. <i>Nanotechnology</i> , <b>2019</b> , 30, 295603	3.4	16
198	Thermal management for a tube-shell Li-ion battery pack using water evaporation coupled with forced air cooling.. <i>RSC Advances</i> , <b>2019</b> , 9, 9951-9961	3.7	13
197	Compound thermal performance of an arc-shaped inner finned tube equipped with Y-branch inserts. <i>Applied Thermal Engineering</i> , <b>2019</b> , 152, 475-481	5.8	5
196	Investigation on fiber laser cutting of polyacrylonitrile-based carbon fiber tow. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 263, 151-163	5.3	11
195	Effect of Excitation Wavelength on Optical Performances of Quantum-Dot-Converted Light-Emitting Diode. <i>Nanomaterials</i> , <b>2019</b> , 9,	5.4	14
194	Investigation of Light-Extraction Mechanisms of Multiscale Patterned Arrays With Rough Morphology for GaN-Based Thin-Film LEDs. <i>IEEE Access</i> , <b>2019</b> , 7, 73890-73898	3.5	34
193	Study on Optical Consistency of Centrifuged LEDs in Packaging Processes. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 1376-1387	1.7	5

192	Experimental study on the capillary performance of aluminum micro-grooved wicks with reentrant cavity array. <i>International Journal of Heat and Mass Transfer</i> , <b>2019</b> , 139, 917-927	4.9	12
191	Novel Production and Performance of Aluminum-Based Ultrathin Flat Heat Pipes Based on Preforming and Multi-Tooth Plowing. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 1514-1525	1.7	1
190	Experimental Investigation on the Thermal Performance of a Sintered Flexible Woven Heat Sink. <i>IEEE Access</i> , <b>2019</b> , 7, 121015-121023	3.5	2
189	Improving Optical Performance of Ultraviolet Light-Emitting Diodes by Incorporating Boron Nitride Nanoparticles. <i>Electronics (Switzerland)</i> , <b>2019</b> , 8, 835	2.6	8
188	Experimental investigation on thermal management performance of an integrated heat sink with a piezoelectric micropump. <i>Applied Thermal Engineering</i> , <b>2019</b> , 161, 114053	5.8	14
187	Reverse-polarity PMEDM using self-welding bundled 3D-laminated microelectrodes. <i>Journal of Materials Processing Technology</i> , <b>2019</b> , 273, 116261	5.3	2
186	. <i>IEEE Transactions on Electron Devices</i> , <b>2019</b> , 66, 4817-4822	2.9	10
185	Light-Weight Topological Optimization for Upper Arm of an Industrial Welding Robot. <i>Metals</i> , <b>2019</b> , 9, 1020	2.3	12
184	Investigation of stability and optical performance of quantum-dot-based LEDs with methyl-terminated-PDMS-based liquid-type packaging structure. <i>Optics Letters</i> , <b>2019</b> , 44, 90-93	3	12
183	Investigating of different arrangement configurations of phosphor particles by using the Finite-Difference Time-Domain method <b>2019</b> ,		2
182	Thermal and optical performance investigations of laser-excited phosphor layer on a semiconductor chilling plate <b>2019</b> ,		1
181	Radiant Efficacy Enhancement for Vertical-Cavity Surface-Emitting Laser Devices Using Enhanced Specular Reflection Structures. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2019</b> , 9, 2000-2005	1.7	
180	Experimental study on the thermal performance of a novel ultra-thin aluminum flat heat pipe. <i>Renewable Energy</i> , <b>2019</b> , 135, 1133-1143	8.1	36
179	Thermal and optical investigations of a laser-driven phosphor converter coated on a heat pipe. <i>Applied Thermal Engineering</i> , <b>2019</b> , 148, 1099-1106	5.8	29
178	Heat transfer characteristic of an ultra-thin flat plate heat pipe with surface-functional wicks for cooling electronics. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 100, 12-19	5.8	34
177	Experimental investigation on a novel composite heat pipe with phase change materials coated on the adiabatic section. <i>International Communications in Heat and Mass Transfer</i> , <b>2019</b> , 100, 42-50	5.8	12
176	High Thermal Performance and Reliability of Quantum-Dot-Based Light-Emitting Diodes With Watt-Level Injection Power. <i>IEEE Transactions on Device and Materials Reliability</i> , <b>2019</b> , 19, 120-125	1.6	8
175	Applicability study of the potting material based thermal management strategy for permanent magnet synchronous motors. <i>Applied Thermal Engineering</i> , <b>2019</b> , 149, 1370-1378	5.8	22

174	Three-dimensional porous composite framework assembled with CuO microspheres as anode current collector for lithium-ion batteries. <i>Science China Technological Sciences</i> , <b>2019</b> , 62, 70-79	3.5	5
173	Polar-Solvent-Free Synthesis of Highly Photoluminescent and Stable CsPbBr <sub>3</sub> Nanocrystals with Controlled Shape and Size by Ultrasonication. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 365-375	9.6	41
172	Preparation of superhydrophobic and anti-resin-adhesive surfaces with micro/nanoscale structures on high-speed steel via laser processing. <i>Surface and Coatings Technology</i> , <b>2019</b> , 357, 57-68	4.4	12
171	White hairy layer on the <i>Boehmeria nivea</i> leaf-inspiration for reflective coatings. <i>Bioinspiration and Biomimetics</i> , <b>2019</b> , 15, 016003	2.6	6
170	Tuning the emission spectrum of highly stable cesium lead halide perovskite nanocrystals through poly(lactic acid)-assisted anion-exchange reactions. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5375-5383	7.1	40
169	A Micro-Cracked Conductive Layer Made of Multiwalled Carbon Nanotubes for Lithium-Ion Batteries. <i>Energy Technology</i> , <b>2018</b> , 6, 658-669	3.5	1
168	Impacts of cone-structured interface and aperiodicity on nanoscale thermal transport in Si/Gesuperlattices. <i>Frontiers in Energy</i> , <b>2018</b> , 12, 137-142	2.6	0
167	Enhancement of Luminous Efficiency and Uniformity of CCT for Quantum Dot-Converted LEDs by Incorporating With ZnO Nanoparticles. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 158-164	2.9	41
166	Review of applications and developments of ultra-thin micro heat pipes for electronic cooling. <i>Applied Energy</i> , <b>2018</b> , 223, 383-400	10.7	142
165	Thermodynamic and experimental study on heat transfer mechanism of miniature loop heat pipe with water-copper nanofluid. <i>Physics of Fluids</i> , <b>2018</b> , 30, 027102	4.4	5
164	Fabrication and capillary characterization of axially micro-grooved wicks for aluminium flat-plate heat pipes. <i>Applied Thermal Engineering</i> , <b>2018</b> , 129, 907-915	5.8	37
163	Effects of heat flux, mass flux and channel width on flow boiling performance of porous interconnected microchannel nets. <i>Experimental Thermal and Fluid Science</i> , <b>2018</b> , 90, 310-318	3	11
162	Dimensional effect of graphite flow field channels of a direct methanol fuel cell under different operating conditions. <i>Canadian Journal of Chemical Engineering</i> , <b>2018</b> , 96, 659-669	2.3	4
161	Effect of flip-chip height on the optical performance of conformal white-light-emitting diodes. <i>Optics Letters</i> , <b>2018</b> , 43, 1015-1018	3	4
160	Improving the optical performance of multi-chip LEDs by using patterned phosphor configurations. <i>Optics Express</i> , <b>2018</b> , 26, A283-A292	3.3	8
159	Enhanced optical and thermal performance of white light-emitting diodes with horizontally layered quantum dots phosphor nanocomposites. <i>Photonics Research</i> , <b>2018</b> , 6, 90	6	41
158	Improvement in Color-Conversion Efficiency and Stability for Quantum-Dot-Based Light-Emitting Diodes Using a Blue Anti-Transmission Film. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	12
157	Three-Dimensional Copper Foil-Powder Sintering Current Collector for a Silicon-Based Anode Lithium-Ion Battery. <i>Materials</i> , <b>2018</b> , 11,	3.5	2



156	Heat Transfer and Friction Characteristics of Turbulent Flow through a Circular Tube with Ball Turbulators. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 776	2.6	7
155	Thermal Characterisation of Micro Flat Aluminium Heat Pipe Arrays by Varying Working Fluid and Inclination Angle. <i>Applied Sciences (Switzerland)</i> , <b>2018</b> , 8, 1052	2.6	11
154	Using Electrospinning-Based Carbon Nanofiber Webs for Methanol Crossover Control in Passive Direct Methanol Fuel Cells. <i>Materials</i> , <b>2018</b> , 11,	3.5	6
153	Regulating the Emission Spectrum of CsPbBr <sub>3</sub> from Green to Blue via Controlling the Temperature and Velocity of Microchannel Reactor. <i>Materials</i> , <b>2018</b> , 11,	3.5	8
152	Fabrication of Composite Microneedle Array Electrode for Temperature and Bio-Signal Monitoring. <i>Sensors</i> , <b>2018</b> , 18,	3.8	11
151	Various orientations research on thermal performance of novel multi-branch heat pipes with different sintered wicks. <i>Energy Conversion and Management</i> , <b>2018</b> , 166, 512-521	10.6	9
150	Improvement in Luminous Efficacy and Thermal Performance Using Quantum Dots Spherical Shell for White Light Emitting Diodes. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	11
149	Multiscale Investigation of Femtosecond Laser Pulses Processing Aluminum in Burst Mode. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2018</b> , 22, 324-347	3.7	5
148	High Color Uniformity of White Light-Emitting Diodes Using Chip-Scaled Package. <i>IEEE Photonics Technology Letters</i> , <b>2018</b> , 30, 989-992	2.2	8
147	. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 2877-2884	2.9	51
146	Enhancement of luminous efficacy for LED lamps by introducing polyacrylonitrile electrospinning nanofiber film. <i>Optics Express</i> , <b>2018</b> , 26, 27716-27725	3.3	6
145	High efficiency solid-liquid hybrid-state quantum dot light-emitting diodes. <i>Photonics Research</i> , <b>2018</b> , 6, 1107	6	14
144	Rapid synthesis of highly photoluminescent nitrogen-doped carbon quantum dots via a microreactor with foamy copper for the detection of Hg <sup>2+</sup> ions. <i>Sensors and Actuators B: Chemical</i> , <b>2018</b> , 258, 637-647	8.5	32
143	Experimental investigation of the thermal performance of heat pipe with multi-heat source and double-end cooling. <i>Applied Thermal Engineering</i> , <b>2018</b> , 131, 159-166	5.8	10
142	An experimental study and finite element modeling of head and neck cooling for brain hypothermia. <i>Journal of Thermal Biology</i> , <b>2018</b> , 71, 99-111	2.9	5
141	Batteries: From Checkerboard-Like Sand Barriers to 3D Cu@CNF Composite Current Collectors for High-Performance Batteries (Adv. Sci. 7/2018). <i>Advanced Science</i> , <b>2018</b> , 5, 1870040	13.6	78
140	Highly Photoluminescent and Stable N-Doped Carbon Dots as Nanoprobes for Hg Detection. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	34
139	. <i>IEEE Photonics Journal</i> , <b>2018</b> , 10, 1-17	1.8	4

138	Forced under-rib water removal by using expanded metal mesh as flow fields for air-breathing direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 19711-19720	6.7	2
137	A Thermoplastic Multilayered Carbon-Fabric/Polycarbonate Laminate Prepared by a Two-Step Hot-Press Technique. <i>Polymers</i> , <b>2018</b> , 10,	4.5	9
136	Enhancement of angular color uniformity of remote-phosphor-converted light-emitting diodes by electrospun-nanofiber diffusing films. <i>Materials Letters</i> , <b>2018</b> , 227, 104-107	3.3	8
135	Full spectral optical modeling of quantum-dot-converted elements for light-emitting diodes considering reabsorption and reemission effect. <i>Nanotechnology</i> , <b>2018</b> , 29, 295707	3.4	19
134	Experimental investigation of capillary force in a novel sintered copper mesh wick for ultra-thin heat pipes. <i>Applied Thermal Engineering</i> , <b>2017</b> , 115, 1020-1030	5.8	43
133	Freeform illumination lens design combining energy and intensity mapping. <i>Optical Engineering</i> , <b>2017</b> , 56, 045101	1.1	4
132	Effect of operational parameters on flow boiling heat transfer performance for porous interconnected microchannel nets. <i>Applied Thermal Engineering</i> , <b>2017</b> , 121, 443-453	5.8	9
131	Thermal analysis of an LED module with a novelly assembled heat pipe heat sink. <i>Journal of Central South University</i> , <b>2017</b> , 24, 921-928	2.1	5
130	Bending Behavior of Porous Sintered Stainless Steel Fiber Honeycombs. <i>Journal of Materials Engineering and Performance</i> , <b>2017</b> , 26, 744-751	1.6	5
129	Multichip LED Modules With V-Groove Surfaces for Light Extraction Efficiency Enhancements Considering Roughness Scattering. <i>IEEE Transactions on Electron Devices</i> , <b>2017</b> , 64, 182-188	2.9	13
128	Wearable woven supercapacitor fabrics with high energy density and load-bearing capability. <i>Scientific Reports</i> , <b>2017</b> , 7, 14324	4.9	36
127	Ultrathin Coaxial Fiber Supercapacitors Achieving High Energy and Power Densities. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 39391-39398	9.5	31
126	Preparation of novel copper-powder-sintered frame/paraffin form-stable phase change materials with extremely high thermal conductivity. <i>Applied Energy</i> , <b>2017</b> , 206, 1147-1157	10.7	38
125	Manufacture of high-quality chopped carbon fibers based on fuzzy comprehensive evaluation. <i>Advances in Mechanical Engineering</i> , <b>2017</b> , 9, 168781401771113	1.2	3
124	Structural effects of expanded metal mesh used as a flow field for a passive direct methanol fuel cell. <i>Applied Energy</i> , <b>2017</b> , 208, 184-194	10.7	18
123	Experimental investigation on the thermal performance of a light emitting diode headlamp with a flexible woven heat sink. <i>Applied Thermal Engineering</i> , <b>2017</b> , 127, 1215-1222	5.8	4
122	Thermal management of high-power LEDs based on integrated heat sink with vapor chamber. <i>Energy Conversion and Management</i> , <b>2017</b> , 151, 1-10	10.6	48
121	Investigation of the Emission Spectral Properties of Carbon Dots in Packaged LEDs Using TiO <sub>2</sub> Nanoparticles. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , <b>2017</b> , 23, 1-7	3.8	12

120	Efficient synthesis of highly fluorescent carbon dots by microreactor method and their application in Fe ion detection. <i>Materials Science and Engineering C</i> , <b>2017</b> , 81, 213-223	8.3	44
119	Developing a passive air-breathing tubular direct methanol fuel cell fed with concentrated methanol. <i>International Journal of Green Energy</i> , <b>2017</b> , 14, 1100-1109	3	6
118	Experimental investigation of the thermal performance of heat pipes with double-ended heating and middle-cooling. <i>Energy Conversion and Management</i> , <b>2017</b> , 148, 1332-1345	10.6	22
117	Pool boiling performance and bubble dynamics on microgrooved surfaces with reentrant cavities. <i>Applied Thermal Engineering</i> , <b>2017</b> , 125, 432-442	5.8	32
116	Molecular dynamics simulation on explosive boiling of liquid argon film on copper nanochannels. <i>Applied Thermal Engineering</i> , <b>2017</b> , 113, 208-214	5.8	48
115	Effects of structural parameter on flow boiling performance of interconnected microchannel net. <i>Applied Thermal Engineering</i> , <b>2017</b> , 112, 164-173	5.8	14
114	Experimental investigation on a novel multi-branch heat pipe for multi-heat source electronics. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 104, 467-477	4.9	30
113	Fabrication and capillary characterization of micro-grooved wicks with reentrant cavity array. <i>International Journal of Heat and Mass Transfer</i> , <b>2017</b> , 104, 918-929	4.9	33
112	Color Uniformity Enhancement for WLEDs Using Inverted Dispensing Method. <i>IEEE Photonics Technology Letters</i> , <b>2017</b> , 29, 2079-2082	2.2	7
111	Butterfly-inspired micro-concavity array film for color conversion efficiency improvement of quantum-dot-based light-emitting diodes. <i>Optics Letters</i> , <b>2017</b> , 42, 4962-4965	3	13
110	Effect of ZnO nanostructures on the optical properties of white light-emitting diodes. <i>Optics Express</i> , <b>2017</b> , 25, A432-A443	3.3	15
109	Highly reflective nanofiber films based on electrospinning and their application on color uniformity and luminous efficacy improvement of white light-emitting diodes. <i>Optics Express</i> , <b>2017</b> , 25, 20598-20611	3.3	25
108	Study on Scattering and Absorption Properties of Quantum-Dot-Converted Elements for Light-Emitting Diodes Using Finite-Difference Time-Domain Method. <i>Materials</i> , <b>2017</b> , 10,	3.5	17
107	The Electrochemical Behavior of Carbon Fiber Microelectrodes Modified with Carbon Nanotubes Using a Two-Step Electroless Plating/Chemical Vapor Deposition Process. <i>Sensors</i> , <b>2017</b> , 17,	3.8	11
106	Development Status and Perspective Trend of Ultra-thin Micro Heat Pipe. <i>Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering</i> , <b>2017</b> , 53, 131	1.3	6
105	Experimental Analysis and FEM Simulation of Antigravity Loop-Shaped Heat Pipe for Radio Remote Unit. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2017</b> , 7, 1625-1633	1.7	
104	Methanol catalytic micro-combustor with pervaporation-based methanol supply system. <i>Chemical Engineering Journal</i> , <b>2016</b> , 283, 982-991	14.7	7
103	Mechanism of material removal during orthogonal cutting of graphite/polymer composites. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2016</b> , 82, 1815-1821	3.2	6

102	Experimental investigation of a PCM-HP heat sink on its thermal performance and anti-thermal-shock capacity for high-power LEDs. <i>Applied Thermal Engineering</i> , <b>2016</b> , 108, 192-203	5.8	29
101	Angular color uniformity enhancement of white light-emitting diodes by remote micro-patterned phosphor film. <i>Photonics Research</i> , <b>2016</b> , 4, 140	6	28
100	CCT-tunable LED device with excellent ACU by using micro-structure array film. <i>Optics Express</i> , <b>2016</b> , 24, 16695-704	3.3	8
99	Effect of nanostructure on rapid boiling of water on a hot copper plate: a molecular dynamics study. <i>Heat and Mass Transfer</i> , <b>2016</b> , 52, 1469-1478	2.2	38
98	Modified static anti-windup for saturated systems with sector-bounded and slope-restricted nonlinearities. <i>International Journal of Robust and Nonlinear Control</i> , <b>2016</b> , 26, 3441-3459	3.6	1
97	Pool boiling heat transfer enhancement by porous interconnected microchannel nets at different liquid subcooling. <i>Applied Thermal Engineering</i> , <b>2016</b> , 93, 1135-1144	5.8	34
96	Mass transfer enhancement for LiBr solution using ultrasonic wave. <i>Journal of Central South University</i> , <b>2016</b> , 23, 405-412	2.1	4
95	Effect of structural parameters on pool boiling heat transfer for porous interconnected microchannel nets. <i>International Journal of Heat and Mass Transfer</i> , <b>2016</b> , 93, 906-917	4.9	35
94	Energy feedback freeform lenses for uniform illumination of extended light source LEDs. <i>Applied Optics</i> , <b>2016</b> , 55, 10375-10381	0.2	13
93	Experimental Study on Tensile Properties of a Novel Porous Metal Fiber/Powder Sintered Composite Sheet. <i>Materials</i> , <b>2016</b> , 9,	3.5	9
92	Color uniformity enhancement for COB WLEDs using a remote phosphor film with two freeform surfaces. <i>Optics Express</i> , <b>2016</b> , 24, 23685-23696	3.3	16
91	Heat-pipe-based thermal management and temperature characteristics of Li-ion batteries. <i>Canadian Journal of Chemical Engineering</i> , <b>2016</b> , 94, 1901-1908	2.3	14
90	Visualization of two-phase flow and temperature characteristics of an active liquid-feed direct methanol fuel cell with diverse flow fields. <i>Applied Energy</i> , <b>2016</b> , 179, 85-98	10.7	28
89	An IR thermal imaging method to investigate spreading process of ethanol solution droplets on carbon fiber mats. <i>Applied Physics A: Materials Science and Processing</i> , <b>2016</b> , 122, 1	2.6	1
88	Experimental investigation on the thermal performance of a heat sink filled with porous metal fiber sintered felt/paraffin composite phase change material. <i>Applied Energy</i> , <b>2016</b> , 176, 221-232	10.7	88
87	Effect of powder size on capillary and two-phase heat transfer performance for porous interconnected microchannel nets as enhanced wick for two-phase heat transfer devices. <i>Applied Thermal Engineering</i> , <b>2016</b> , 104, 668-677	5.8	3
86	Enhanced flow boiling in an interconnected microchannel net at different inlet subcooling. <i>Applied Thermal Engineering</i> , <b>2016</b> , 104, 659-667	5.8	26
85	Fracture behavior of PAN-based carbon fiber tow in a chopping process on an elastic support. <i>Fibers and Polymers</i> , <b>2016</b> , 17, 1262-1268	2	8

84	The multi-functional stack design of a molybdenum back contact prepared by pulsed DC magnetron sputtering. <i>Thin Solid Films</i> , <b>2016</b> , 616, 820-827	2.2	9
83	Improvement in optical performance and color uniformity by optimizing the remote phosphor caps geometry for chip-on-board light emitting diodes. <i>Solid-State Electronics</i> , <b>2016</b> , 126, 36-45	1.7	13
82	ACU Optimization of pcLEDs by Combining the Pulsed Spray and Feedback Method. <i>Journal of Display Technology</i> , <b>2016</b> , 12, 1229-1234		11
81	Effect of working fluid on heat transfer performance of the anti-gravity loop-shaped heat pipe. <i>Applied Thermal Engineering</i> , <b>2015</b> , 88, 391-397	5.8	9
80	Uniaxial tensile behavior of porous metal fiber sintered sheet. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2015</b> , 25, 2003-2008	3.3	6
79	Experimental investigation on the sintered wick of the anti-gravity loop-shaped heat pipe. <i>Experimental Thermal and Fluid Science</i> , <b>2015</b> , 68, 689-696	3	24
78	Molecular Dynamics Simulation on Rapid Boiling of Thin Water Films on Cone-Shaped Nanostructure Surfaces. <i>Nanoscale and Microscale Thermophysical Engineering</i> , <b>2015</b> , 19, 17-30	3.7	36
77	Heat Transfer Performance of an Edge-Shaped Finned Tube. <i>Heat Transfer Engineering</i> , <b>2015</b> , 36, 574-581.7		3
76	Wear patterns and wear mechanisms of cutting tools used during the manufacturing of chopped carbon fiber. <i>International Journal of Machine Tools and Manufacture</i> , <b>2015</b> , 97, 1-10	9.4	26
75	Using woven carbon fiber fabric to construct gradient porous structure for passive direct methanol fuel cells. <i>Functional Materials Letters</i> , <b>2015</b> , 08, 1550009	1.2	0
74	Lightweight current collector based on printed-circuit-board technology and its structural effects on the passive air-breathing direct methanol fuel cell. <i>Renewable Energy</i> , <b>2015</b> , 81, 664-670	8.1	27
73	Numerical analysis on thermal hydraulic performance of a flat plate heat pipe with wick column. <i>Heat and Mass Transfer</i> , <b>2015</b> , 51, 1051-1059	2.2	12
72	Improving LED CCT uniformity using micropatterned films optimized by combining ray tracing and FDTD methods. <i>Optics Express</i> , <b>2015</b> , 23, A180-91	3.3	30
71	Failure-mechanism analysis for vertical high-power LEDs under external pressure. <i>Microelectronics Reliability</i> , <b>2015</b> , 55, 2671-2677	1.2	1
70	Moisturized anode and water management in a passive vapor-feed direct methanol fuel cell operated with neat methanol. <i>Journal of Power Sources</i> , <b>2015</b> , 297, 33-44	8.9	8
69	A Detailed Study on Phosphor-Converted Light-Emitting Diodes With Multi-Phosphor Configuration Using the Finite-Difference Time-Domain and Ray-Tracing Methods. <i>IEEE Journal of Quantum Electronics</i> , <b>2015</b> , 51, 1-10	2	19
68	Thermal and optical investigations of high power LEDs with metal embedded printed circuit boards. <i>International Communications in Heat and Mass Transfer</i> , <b>2015</b> , 66, 32-39	5.8	14
67	Parametric Study on Flow Boiling Characteristics in $\Omega$ -Shaped Re-Entrant Porous Microchannels With Structured Surface. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , <b>2015</b> , 5, 1108-1121	1.7	7

66	Fabrication of micro-flow channels on graphite composite bipolar plates using microplaning. <i>Journal of Central South University</i> , <b>2015</b> , 22, 2963-2970	2.1	1
65	Experimental investigation on wetting process of water droplets on micro-/nanoporous copper films. <i>Applied Physics A: Materials Science and Processing</i> , <b>2015</b> , 120, 255-263	2.6	8
64	Heat transfer and friction characteristics of laminar flow through a circular tube with small pipe inserts. <i>International Journal of Thermal Sciences</i> , <b>2015</b> , 96, 94-101	4.1	41
63	Experimental Study on Force of Electric Heating Drilling to Hard-to-Cut Materials. <i>Materials and Manufacturing Processes</i> , <b>2015</b> , 30, 263-271	4.1	0
62	Investigations on the heat transfer performance of edge-shaped finned-tubes. <i>Heat and Mass Transfer</i> , <b>2014</b> , 50, 1187-1194	2.2	1
61	Reconstruction and thermal performance analysis of die-bonding filling states for high-power light-emitting diode devices. <i>Applied Thermal Engineering</i> , <b>2014</b> , 65, 236-245	5.8	25
60	Effects of structural parameters on flow boiling performance of reentrant porous microchannels. <i>Journal of Micromechanics and Microengineering</i> , <b>2014</b> , 24, 065025	2	18
59	Operational and structural aspects of a vapor-feed semi-passive direct methanol fuel cell supplied with concentrated methanol. <i>Science Bulletin</i> , <b>2014</b> , 59, 3216-3221		7
58	Effects of environmental factors on corrosion behaviors of metal-fiber porous components in a simulated direct methanol fuel cell environment. <i>International Journal of Minerals, Metallurgy and Materials</i> , <b>2014</b> , 21, 913-918	3.1	5
57	Passive vapor-feed direct methanol fuel cell using sintered porous metals to realize high-concentration operation. <i>Applied Energy</i> , <b>2014</b> , 136, 143-149	10.7	24
56	Fabrication and thermal performance of porous crack composite wick flattened heat pipe. <i>Applied Thermal Engineering</i> , <b>2014</b> , 66, 140-147	5.8	20
55	Thermal performance of a novel porous crack composite wick heat pipe. <i>Energy Conversion and Management</i> , <b>2014</b> , 81, 10-18	10.6	42
54	A high power LED device with chips directly mounted on heat pipes. <i>Applied Thermal Engineering</i> , <b>2014</b> , 66, 632-639	5.8	39
53	Overview on the developments of vapor-feed direct methanol fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 6689-6704	6.7	36
52	Molecule Dynamics Simulation of Heat Transfer Between Argon Flow and Parallel Copper Plates. <i>Journal of Nanotechnology in Engineering and Medicine</i> , <b>2014</b> , 5,		8
51	Investigation of the Effect of Rake Angle on Large Strain Extrusion Machining. <i>Materials and Manufacturing Processes</i> , <b>2014</b> , 29, 621-626	4.1	9
50	Experimental study on the tensile strength of a sintered porous metal composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2014</b> , 607, 536-541	5.3	10
49	Evaluation of capillary performance of sintered porous wicks for loop heat pipe. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 50, 1-9	3	63

48	On the processing and morphological aspects of metal fibers based on low-speed multi-tooth dry cutting. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2013</b> , 66, 1147-1157	3.2	11
47	A multi-artery vapor chamber and its performance. <i>Applied Thermal Engineering</i> , <b>2013</b> , 60, 15-23	5.8	50
46	Pipe reduction of miniature inner grooved copper tubes through rotary swaging process. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 377-384	3.3	5
45	Bilateral Teleoperation of Holonomic Constrained Robotic Systems With Time-Varying Delays. <i>IEEE Transactions on Instrumentation and Measurement</i> , <b>2013</b> , 62, 752-765	5.2	43
44	Detailed Study on Pulse-Sprayed Conformal Phosphor Configurations for LEDs. <i>Journal of Display Technology</i> , <b>2013</b> , 9, 433-440		34
43	High-concentration operation of a passive air-breathing direct methanol fuel cell integrated with a porous methanol barrier. <i>Renewable Energy</i> , <b>2013</b> , 50, 741-746	8.1	15
42	Preparation of current collector with blind holes and enhanced cycle performance of silicon-based anode. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 1723-1727	3.3	13
41	Manufacture, characterization and application of porous metal-fiber sintered felt used as mass-transfer controlling medium for direct methanol fuel cells. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2013</b> , 23, 2085-2093	3.3	16
40	Light Extraction Improvement for LED COB Devices by Introducing a Patterned Leadframe Substrate Configuration. <i>IEEE Transactions on Electron Devices</i> , <b>2013</b> , 60, 1397-1403	2.9	26
39	Characterization of capillary performance of composite wicks for two-phase heat transfer devices. <i>International Journal of Heat and Mass Transfer</i> , <b>2013</b> , 56, 283-293	4.9	92
38	Exergetic analysis on the two-stage reverse osmosis seawater desalination system. <i>Desalination and Water Treatment</i> , <b>2013</b> , 51, 2862-2870		6
37	Heat transfer mechanism of miniature loop heat pipe with water-copper nanofluid: thermodynamics model and experimental study. <i>Heat and Mass Transfer</i> , <b>2013</b> , 49, 1001-1007	2.2	11
36	Decentralised adaptive fuzzy control of coordinated multiple mobile manipulators interacting with non-rigid environments. <i>IET Control Theory and Applications</i> , <b>2013</b> , 7, 397-410	2.5	62
35	A study of flip-chip direct attachment LED COBs with metal core print circuit boards <b>2013</b> ,		1
34	Phase change flattening process for axial grooved heat pipe. <i>Journal of Materials Processing Technology</i> , <b>2012</b> , 212, 331-338	5.3	18
33	Condenser design optimization and operation characteristics of a novel miniature loop heat pipe. <i>Energy Conversion and Management</i> , <b>2012</b> , 64, 35-42	10.6	29
32	Nanoporous metallic surface: Facile fabrication and enhancement of boiling heat transfer. <i>Applied Surface Science</i> , <b>2012</b> , 258, 8747-8751	6.7	38
31	Toward using porous metal-fiber sintered plate as anodic methanol barrier in a passive direct methanol fuel cell. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 13510-13521	6.7	34

30	Slave rotation analysis of miniature inner grooved copper tube through rotary swaging process. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2012</b> , 61, 185-193	3.2	13
29	Porous metal materials for polymer electrolyte membrane fuel cells A review. <i>Applied Energy</i> , <b>2012</b> , 94, 309-329	10.7	174
28	Low temperature solid-phase sintering of sintered metal fibrous media with high specific surface area. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2011</b> , 21, 1755-1760	3.3	10
27	Fabrication and testing of phase change heat sink for high power LED. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2011</b> , 21, 2066-2071	3.3	19
26	Characteristics of uncurled and reversely curled chip during orthogonal cutting. <i>International Journal of Machine Tools and Manufacture</i> , <b>2011</b> , 51, 831-835	9.4	4
25	Effects of bending on heat transfer performance of axial micro-grooved heat pipe. <i>Journal of Central South University</i> , <b>2011</b> , 18, 580-586	2.1	14
24	Synthesis of fractal geometry and CAGD models for multi-scale topography modelling of functional surfaces. <i>Journal of Central South University</i> , <b>2011</b> , 18, 1493-1501	2.1	4
23	Capillary force of a novel skew-grooved wick structure for micro heat pipes. <i>Central South University</i> , <b>2011</b> , 18, 2170-2175		5
22	An Innovative Fabrication Process of Porous Metal Fiber Sintered Felts with Three-Dimensional Reticulated Structure. <i>Materials and Manufacturing Processes</i> , <b>2010</b> , 25, 565-571	4.1	40
21	Fabrication and Characterization of Aluminum Fibers by Peripheral Milling. <i>Materials and Manufacturing Processes</i> , <b>2010</b> , 25, 1052-1058	4.1	11
20	Forming characteristics analysis of the cross-section of axially inner grooved copper tube. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2010</b> , 47, 1023-1031	3.2	21
19	Sintering technology for micro heat pipe with sintered wick. <i>Central South University</i> , <b>2010</b> , 17, 102-109		11
18	Forming technology of boiling structure on evaporation surface of phase-change heat sink for high-power light emitting diode. <i>Central South University</i> , <b>2010</b> , 17, 544-548		4
17	Effects of structural aspects on the performance of a passive air-breathing direct methanol fuel cell. <i>Journal of Power Sources</i> , <b>2010</b> , 195, 5628-5636	8.9	59
16	Experimental investigation on capillary force of composite wick structure by IR thermal imaging camera. <i>Experimental Thermal and Fluid Science</i> , <b>2010</b> , 34, 190-196	3	88
15	Modeling of velocity distribution among microchannels with triangle manifolds. <i>AIChE Journal</i> , <b>2009</b> , 55, 1969-1982	3.6	51
14	Brittle-Ductile mode cutting of glass based on controlling cracks initiation and propagation. <i>International Journal of Advanced Manufacturing Technology</i> , <b>2009</b> , 43, 1051-1059	3.2	10
13	A performance study of methanol steam reforming microreactor with porous copper fiber sintered felt as catalyst support for fuel cells. <i>International Journal of Hydrogen Energy</i> , <b>2009</b> , 34, 9745-9753	6.7	53



12	Micro-column enhanced boiling structure and its ramification. <i>Central South University</i> , <b>2008</b> , 15, 222-227		1
11	Development of high-aspect-ratio microchannel heat exchanger based on multi-tool milling process. <i>Central South University</i> , <b>2008</b> , 15, 228-234		3
10	Thermal performance of heat pipe with different micro-groove structures. <i>Central South University</i> , <b>2008</b> , 15, 240-244		7
9	Forming process of cross-connected finned micro-grooves in copper strips. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2007</b> , 17, 267-272	3-3	8
8	Performances of electrically heated microgroove vaporizers. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2007</b> , 17, 981-986	3-3	8
7	Preparation of oriented linear copper fiber sintered felt and its performance. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2007</b> , 17, 1028-1033	3-3	19
6	On Manufacturing of Long Stainless Steel Fiber with Fin by Multi-Tooth Tool and Mechanical Properties of the Fiber. <i>Key Engineering Materials</i> , <b>2006</b> , 315-316, 666-670	0-4	6
5	Solid-Liquid Hybrid-State Organic Lens for Highly Efficient Deep Ultraviolet Light-Emitting Diodes. <i>Advanced Photonics Research</i> , 2100211	1-9	0
4	Biomimetic Porous Fluoropolymer Films with Brilliant Whiteness by Using Polymerization-Induced Phase Separation. <i>Advanced Materials Interfaces</i> , 2101485	4-6	4
3	High-Transmittance and High-Haze Composite Particle-Free Optical Diffusers Enabled by Polymerization-Induced Phase Separation. <i>Advanced Photonics Research</i> , 2100185	1-9	6
2	An easy-to-implement method for fabricating superhydrophobic surfaces inspired by taro leaf. <i>Science China Technological Sciences</i> , 1	3-5	1
1	Photothermal Optimization of Quantum Dot Converters for High-Power Solid-State Light Sources. <i>Advanced Optical Materials</i> , 2102201	8-1	1