

Kenneth David Kihm

List of Publications by Year in descending order

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162
papers

8,457
citations

43973

48
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87
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170
all docs

170
docs citations

170
times ranked

8897
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Stretchable and Transparent Metal Nanowire Heater for Wearable Electronics Applications. <i>Advanced Materials</i> , 2015, 27, 4744-4751.	11.1	667
2	Highly Sensitive and Stretchable Multidimensional Strain Sensor with Prestrained Anisotropic Metal Nanowire Percolation Networks. <i>Nano Letters</i> , 2015, 15, 5240-5247.	4.5	527
3	Highly Stretchable or Transparent Conductor Fabrication by a Hierarchical Multiscale Hybrid Nanocomposite. <i>Advanced Functional Materials</i> , 2014, 24, 5671-5678.	7.8	297
4	Stretchable and Transparent Kirigami Conductor of Nanowire Percolation Network for Electronic Skin Applications. <i>Nano Letters</i> , 2019, 19, 6087-6096.	4.5	276
5	High-efficiency electrochemical thermal energy harvester using carbon nanotube aerogel sheet electrodes. <i>Nature Communications</i> , 2016, 7, 10600.	5.8	244
6	Highly Stretchable and Transparent Supercapacitor by Ag@Au Core-Shell Nanowire Network with High Electrochemical Stability. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15449-15458.	4.0	243
7	Sensitive Wearable Temperature Sensor with Seamless Monolithic Integration. <i>Advanced Materials</i> , 2020, 32, e1905527.	11.1	221
8	Ag/Au/Polypyrrole Core-shell Nanowire Network for Transparent, Stretchable and Flexible Supercapacitor in Wearable Energy Devices. <i>Scientific Reports</i> , 2017, 7, 41981.	1.6	212
9	Biomimetic Color Changing Anisotropic Soft Actuators with Integrated Metal Nanowire Percolation Network Transparent Heaters for Soft Robotics. <i>Advanced Functional Materials</i> , 2018, 28, 1801847.	7.8	198
10	High Efficiency, Transparent, Reusable, and Active PM2.5 Filters by Hierarchical Ag Nanowire Percolation Network. <i>Nano Letters</i> , 2017, 17, 4339-4346.	4.5	196
11	Solution-Processible Crystalline NiO Nanoparticles for High-Performance Planar Perovskite Photovoltaic Cells. <i>Scientific Reports</i> , 2016, 6, 30759.	1.6	166
12	Low-Temperature Oxidation-Free Selective Laser Sintering of Cu Nanoparticle Paste on a Polymer Substrate for the Flexible Touch Panel Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 11575-11582.	4.0	160
13	Simple hydrothermal synthesis of very-long and thin silver nanowires and their application in high quality transparent electrodes. <i>Journal of Materials Chemistry A</i> , 2016, 4, 11365-11371.	5.2	154
14	Optically sliced micro-PIV using confocal laser scanning microscopy (CLSM). <i>Experiments in Fluids</i> , 2004, 37, 105-119.	1.1	153
15	A deep-learned skin sensor decoding the epicentral human motions. <i>Nature Communications</i> , 2020, 11, 2149.	5.8	148
16	Transparent Soft Actuators/Sensors and Camouflage Skins for Imperceptible Soft Robotics. <i>Advanced Materials</i> , 2021, 33, e2002397.	11.1	131
17	Near-wall hindered Brownian diffusion of nanoparticles examined by three-dimensional ratiometric total internal reflection fluorescence microscopy (3-D R-TIRFM). <i>Experiments in Fluids</i> , 2004, 37, 811-824.	1.1	129
18	Nanorecycling: Monolithic Integration of Copper and Copper Oxide Nanowire Network Electrode through Selective Reversible Photothermochemical Reduction. <i>Advanced Materials</i> , 2015, 27, 6397-6403.	11.1	125

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19	Recent progress in silver nanowire based flexible/wearable optoelectronics. <i>Journal of Materials Chemistry C</i> , 2018, 6, 7445-7461.	2.7	125
20	Effect of Nanoparticle Sizes and Number Densities on the Evaporation and Dryout Characteristics for Strongly Pinned Nanofluid Droplets. <i>Langmuir</i> , 2007, 23, 2953-2960.	1.6	101
21	A dual-scale metal nanowire network transparent conductor for highly efficient and flexible organic light emitting diodes. <i>Nanoscale</i> , 2017, 9, 1978-1985.	2.8	101
22	Plasmonic-tuned Flash Cu Nanowelding with Ultrafast Photochemical Reducing and Interlocking on Flexible Plastics. <i>Advanced Functional Materials</i> , 2017, 27, 1701138.	7.8	98
23	Highly Stable Ni-based Flexible Transparent Conducting Panels Fabricated by Laser Digital Patterning. <i>Advanced Functional Materials</i> , 2019, 29, 1806895.	7.8	97
24	Biomimetic chameleon soft robot with artificial crypsis and disruptive coloration skin. <i>Nature Communications</i> , 2021, 12, 4658.	5.8	94
25	Stretchable/flexible silver nanowire electrodes for energy device applications. <i>Nanoscale</i> , 2019, 11, 20356-20378.	2.8	90
26	How to Reliably Determine the Complex Refractive Index (RI) of Graphene by Using Two Independent Measurement Constraints. <i>Scientific Reports</i> , 2014, 4, 6364.	1.6	89
27	Metal-Oxide Nanomaterials Synthesis and Applications in Flexible and Wearable Sensors. <i>ACS Nanoscience Au</i> , 2022, 2, 64-92.	2.0	86
28	Experimental verification of near-wall hindered diffusion for the Brownian motion of nanoparticles using evanescent wave microscopy. <i>Physical Review E</i> , 2005, 72, 042101.	0.8	84
29	Laser-Induced Hydrothermal Growth of Heterogeneous Metal-Oxide Nanowire on Flexible Substrate by Laser Absorption Layer Design. <i>ACS Nano</i> , 2015, 9, 6059-6068.	7.3	82
30	Full-Field Subwavelength Imaging Using a Scattering Superlens. <i>Physical Review Letters</i> , 2014, 113, 113901.	2.9	81
31	Sulfur and Nitrogen Co-Doped Graphene Quantum Dots as a Fluorescent Quenching Probe for Highly Sensitive Detection toward Mercury Ions. <i>ACS Applied Nano Materials</i> , 2019, 2, 790-798.	2.4	80
32	Graphene as a material for energy generation and control: Recent progress in the control of graphene thermal conductivity by graphene defect engineering. <i>Materials Today Energy</i> , 2019, 12, 431-442.	2.5	76
33	Three-dimensional micro-PTV using deconvolution microscopy. <i>Experiments in Fluids</i> , 2006, 40, 491-499.	1.1	71
34	Stretchable Skin-like Cooling/Heating Device for Reconstruction of Artificial Thermal Sensation in Virtual Reality. <i>Advanced Functional Materials</i> , 2020, 30, 1909171.	7.8	71
35	Monolithic digital patterning of polydimethylsiloxane with successive laser pyrolysis. <i>Nature Materials</i> , 2021, 20, 100-107.	13.3	71
36	All-solid-state flexible supercapacitors by fast laser annealing of printed metal nanoparticle layers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 8339-8345.	5.2	68

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37	An efficient reduced graphene-oxide filter for PM _{2.5} removal. <i>Journal of Materials Chemistry A</i> , 2018, 6, 16975-16982.	5.2	67
38	In-Plane Thermal Conductivity of Polycrystalline Chemical Vapor Deposition Graphene with Controlled Grain Sizes. <i>Nano Letters</i> , 2017, 17, 2361-2366.	4.5	66
39	Transparent wearable three-dimensional touch by self-generated multiscale structure. <i>Nature Communications</i> , 2019, 10, 2582.	5.8	64
40	A Liquid Metal Based Multimodal Sensor and Haptic Feedback Device for Thermal and Tactile Sensation Generation in Virtual Reality. <i>Advanced Functional Materials</i> , 2021, 31, 2007772.	7.8	64
41	Maskless Fabrication of Highly Robust, Flexible Transparent Cu Conductor by Random Crack Network Assisted Cu Nanoparticle Patterning and Laser Sintering. <i>Advanced Electronic Materials</i> , 2016, 2, 1600277.	2.6	63
42	Digital selective transformation and patterning of highly conductive hydrogel bioelectronics by laser-induced phase separation. <i>Science Advances</i> , 2022, 8, .	4.7	63
43	Random nanocrack, assisted metal nanowire-bundled network fabrication for a highly flexible and transparent conductor. <i>RSC Advances</i> , 2016, 6, 57434-57440.	1.7	60
44	Flexible and Transparent Cu Electronics by Low-Temperature Acid-Assisted Laser Processing of Cu Nanoparticles. <i>Advanced Materials Technologies</i> , 2017, 2, 1600222.	3.0	59
45	Effects of the liquid polarity and the wall slip on the heat and mass transport characteristics of the micro-scale evaporating transition film. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 265-278.	2.5	56
46	Highly stretchable and oxidation-resistive Cu nanowire heater for replication of the feeling of heat in a virtual world. <i>Journal of Materials Chemistry A</i> , 2020, 8, 8281-8291.	5.2	55
47	Recent advances in liquid-metal-based wearable electronics and materials. <i>IScience</i> , 2021, 24, 102698.	1.9	54
48	Challenges and Strategies in Developing an Enzymatic Wearable Sweat Glucose Biosensor as a Practical Point-Of-Care Monitoring Tool for Type II Diabetes. <i>Nanomaterials</i> , 2022, 12, 221.	1.9	54
49	A Review on Hierarchical Origami and Kirigami Structure for Engineering Applications. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2019, 6, 147-161.	2.7	53
50	Nanowire reinforced nanoparticle nanocomposite for highly flexible transparent electrodes: borrowing ideas from macrocomposites in steel-wire reinforced concrete. <i>Journal of Materials Chemistry C</i> , 2017, 5, 791-798.	2.7	52
51	Femtosecond Laser Fabrication of Cavity Microball Lens (CMBL) inside a PMMA Substrate for Super-Wide Angle Imaging. <i>Small</i> , 2015, 11, 3007-3016.	5.2	48
52	Thermally Controlled, Active Imperceptible Artificial Skin in Visible to Infrared Range. <i>Advanced Functional Materials</i> , 2020, 30, 2003328.	7.8	47
53	Transparent Air Filters with Active Thermal Sterilization. <i>Nano Letters</i> , 2022, 22, 524-532.	4.5	47
54	A Transparent and Flexible Capacitive Force Touch Pad from High Aspect Ratio Copper Nanowires with Enhanced Oxidation Resistance for Applications in Wearable Electronics. <i>Small Methods</i> , 2018, 2, 1800077.	4.6	45

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55	Directional Shape Morphing Transparent Walking Soft Robot. <i>Soft Robotics</i> , 2019, 6, 760-767.	4.6	45
56	Recent Progress in Transparent Conductors Based on Nanomaterials: Advancements and Challenges. <i>Advanced Materials Technologies</i> , 2020, 5, 1900939.	3.0	44
57	Recent Advances in Sustainable Wearable Energy Devices with Nanoscale Materials and Macroscale Structures. <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	43
58	An endothelial cell compatible biosensor fabricated using optically thin indium tin oxide silicon nitride electrodes. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2585-2590.	5.3	41
59	Opto-Electric Cellular Biosensor Using Optically Transparent Indium Tin Oxide (ITO) Electrodes. <i>Sensors</i> , 2008, 8, 3257-3270.	2.1	39
60	Smart Stretchable Electronics for Advanced Human-Machine Interface. <i>Advanced Intelligent Systems</i> , 2021, 3, 2000157.	3.3	38
61	Nanowire-on-Nanowire: All-Nanowire Electronics by On-Demand Selective Integration of Hierarchical Heterogeneous Nanowires. <i>ACS Nano</i> , 2017, 11, 12311-12317.	7.3	36
62	Kinetic enhancement via passive deposition of carbon-based nanomaterials in vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2017, 366, 241-248.	4.0	36
63	Highly Customizable Transparent Silver Nanowire Patterning via Inkjet-Printed Conductive Polymer Templates Formed on Various Surfaces. <i>Advanced Materials Technologies</i> , 2020, 5, 2000042.	3.0	35
64	Nanoscale Heaters: Single Nanowire Resistive Nanoheater for Highly Localized Thermochemical Reactions: Localized Hierarchical Heterojunction Nanowire Growth (Small 24/2014). <i>Small</i> , 2014, 10, 5014-5014.	5.2	34
65	Metal Nanowire-Coated Metal Woven Mesh for High-Performance Stretchable Transparent Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40905-40913.	4.0	34
66	Biocompatible Cost-Effective Electrophysiological Monitoring with Oxidation-Free Cu-Au Core-Shell Nanowire. <i>Advanced Materials Technologies</i> , 2020, 5, 2000661.	3.0	33
67	Functional Materials and Devices for XR (VR/AR/MR) Applications. <i>Advanced Functional Materials</i> , 2021, 31, 2106546.	7.8	32
68	Fluidic applications for atomic force microscopy (AFM) with microcantilever sensors. <i>Experiments in Fluids</i> , 2010, 48, 721-736.	1.1	29
69	Semipermanent Copper Nanowire Network with an Oxidation-Proof Encapsulation Layer. <i>Advanced Materials Technologies</i> , 2019, 4, 1800422.	3.0	29
70	Soft multi-modal thermoelectric skin for dual functionality of underwater energy harvesting and thermoregulation. <i>Nano Energy</i> , 2022, 95, 107002.	8.2	29
71	Two orders of magnitude suppression of graphene's thermal conductivity by heavy dopants (Si). <i>Carbon</i> , 2018, 138, 98-107.	5.4	28
72	Thermo-Haptic Materials and Devices for Wearable Virtual and Augmented Reality. <i>Advanced Functional Materials</i> , 2021, 31, 2007376.	7.8	28

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73	Microscale Heat and Mass Transport of Evaporating Thin Film of Binary Mixture. <i>Journal of Thermophysics and Heat Transfer</i> , 2006, 20, 320-326.	0.9	27
74	Biohybrid Actuators for Soft Robotics: Challenges in Scaling Up. <i>Actuators</i> , 2020, 9, 96.	1.2	27
75	Electrochemical sensing of mercury ions in electrolyte solutions by nitrogen-doped graphene quantum dot electrodes at ultralow concentrations. <i>Journal of Molecular Liquids</i> , 2020, 302, 112593.	2.3	27
76	High-temperature, thin, flexible and transparent Ni-based heaters patterned by laser-induced reductive sintering on colorless polyimide. <i>Journal of Materials Chemistry C</i> , 2021, 9, 5652-5661.	2.7	27
77	Mechano-thermo-chromic device with supersaturated salt hydrate crystal phase change. <i>Science Advances</i> , 2019, 5, eaav4916.	4.7	26
78	Multi-Bandgap Monolithic Metal Nanowire Percolation Network Sensor Integration by Reversible Selective Laser-Induced Redox. <i>Nano-Micro Letters</i> , 2022, 14, 49.	14.4	26
79	Surface elasticity and charge concentration-dependent endothelial cell attachment to copolymer polyelectrolyte hydrogel. <i>Acta Biomaterialia</i> , 2009, 5, 144-151.	4.1	25
80	How to optically count graphene layers. <i>Optics Letters</i> , 2012, 37, 3765.	1.7	25
81	Dynamic Pore Modulation of Stretchable Electrospun Nanofiber Filter for Adaptive Machine Learned Respiratory Protection. <i>ACS Nano</i> , 2021, 15, 15730-15740.	7.3	25
82	Significant thermoelectric conversion efficiency enhancement of single layer graphene with substitutional silicon dopants. <i>Nano Energy</i> , 2021, 87, 106188.	8.2	25
83	Thermally stable Ag@ZrO ₂ core-shell via atomic layer deposition. <i>Materials Letters</i> , 2017, 188, 372-374.	1.3	24
84	Effect of graphene-substrate conformity on the in-plane thermal conductivity of supported graphene. <i>Carbon</i> , 2017, 125, 39-48.	5.4	24
85	Metallic Nanowire Coupled CsPbBr ₃ Quantum Dots Plasmonic Nanolaser. <i>Advanced Functional Materials</i> , 2021, 31, 2102375.	7.8	23
86	Non-enzymatic electrochemical detection of hydrogen peroxide on highly amidized graphene quantum dot electrodes. <i>Applied Surface Science</i> , 2020, 528, 146936.	3.1	22
87	Binary Fluid Mixture and Thermocapillary Effects on the Wetting Characteristics of a Heated Curved Meniscus. <i>Journal of Heat Transfer</i> , 2003, 125, 867-874.	1.2	21
88	Use of confocal laser scanning microscopy (CLSM) for depthwise resolved microscale-particle image velocimetry (1/4-PIV). <i>Optics and Lasers in Engineering</i> , 2006, 44, 208-223.	2.0	21
89	Label-free visualization of microfluidic mixture concentration fields using a surface plasmon resonance (spr) reflectance imaging. <i>Experiments in Fluids</i> , 2006, 41, 905-916.	1.1	21
90	Evolvable Skin Electronics by In Situ and In Operando Adaptation. <i>Advanced Functional Materials</i> , 2022, 32, 2106329.	7.8	21

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91	Full-field and real-time surface plasmon resonance imaging thermometry. <i>Optics Letters</i> , 2007, 32, 3456.	1.7	20
92	Review of the Multi-scale Nano-structure Approach to the Development of High Efficiency Solar Cells. <i>Smart Science</i> , 2014, 2, 54-62.	1.9	20
93	Measuring near-field nanoparticle concentration profiles by correlating surface plasmon resonance reflectance with effective refractive index of nanofluids. <i>Optics Letters</i> , 2010, 35, 393.	1.7	19
94	Ultrasonication assisted production of silver nanowires with low aspect ratio and their optical properties. <i>Ultrasonics Sonochemistry</i> , 2015, 22, 35-40.	3.8	19
95	Enhanced Thermoelectric Conversion Efficiency of CVD Graphene with Reduced Grain Sizes. <i>Nanomaterials</i> , 2018, 8, 557.	1.9	19
96	Optoelectric biosensor using indium-tin-oxide electrodes. <i>Optics Letters</i> , 2007, 32, 1405.	1.7	17
97	Unveiling Hidden Complex Cavities Formed during Nanocrystalline Self-Assembly. <i>Langmuir</i> , 2009, 25, 1881-1884.	1.6	17
98	Heat flow diversion in supported graphene nanomesh. <i>Carbon</i> , 2017, 123, 45-53.	5.4	17
99	Hierarchically Structured Conductive Polymer Binders with Silver Nanowires for High-Performance Silicon Anodes in Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 17340-17347.	4.0	17
100	A new heat propagation velocity prevails over Brownian particle velocities in determining the thermal conductivities of nanofluids. <i>Nanoscale Research Letters</i> , 2011, 6, 361.	3.1	16
101	ZnO/CuO/M (M = Ag, Au) Hierarchical Nanostructure by Successive Photoreduction Process for Solar Hydrogen Generation. <i>Nanomaterials</i> , 2018, 8, 323.	1.9	16
102	Energy Harvesting Untethered Soft Electronic Devices. <i>Advanced Healthcare Materials</i> , 2021, 10, e2002286.	3.9	16
103	Real-Time and Full-Field Detection of Near-Wall Salinity Using Surface Plasmon Resonance Reflectance. <i>Analytical Chemistry</i> , 2007, 79, 5418-5423.	3.2	15
104	Selective Thermochemical Growth of Hierarchical ZnO Nanowire Branches on Silver Nanowire Backbone Percolation Network Heaters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 22542-22549.	1.5	15
105	Electrocatalytic Oxidation of Glucose on Boron and Nitrogen Codoped Graphene Quantum Dot Electrodes in Alkali Media. <i>Catalysts</i> , 2021, 11, 101.	1.6	15
106	Surface plasmon resonance reflectance imaging technique for near-field (~100Ånm) fluidic characterization. <i>Experiments in Fluids</i> , 2010, 48, 547-564.	1.1	14
107	Control and Manipulation of Nano Cracks Mimicking Optical Wave. <i>Scientific Reports</i> , 2015, 5, 17292.	1.6	14
108	Micropatterning of Metal Nanoparticle Ink by Laser-Induced Thermocapillary Flow. <i>Nanomaterials</i> , 2018, 8, 645.	1.9	14

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109	Bioinspired Soft Robotic Fish for Wireless Underwater Control of Gliding Locomotion. <i>Advanced Intelligent Systems</i> , 2022, 4, .	3.3	14
110	From Chaos to Control: Programmable Crack Patterning with Molecular Order in Polymer Substrates. <i>Advanced Materials</i> , 2021, 33, e2008434.	11.1	13
111	Effects of mass and interaction mismatches on in-plane and cross-plane thermal transport of Si-doped graphene. <i>International Journal of Heat and Mass Transfer</i> , 2021, 169, 120979.	2.5	13
112	Near-Field Thermometry Sensor Based on the Thermal Resonance of a Microcantilever in Aqueous Medium. <i>Sensors</i> , 2007, 7, 3156-3165.	2.1	12
113	Nano Sensing and Energy Conversion Using Surface Plasmon Resonance (SPR). <i>Materials</i> , 2015, 8, 4332-4343.	1.3	12
114	Selective electro-thermal growth of zinc oxide nanowire on photolithographically patterned electrode for microsensor applications. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2016, 3, 173-177.	2.7	11
115	Laser-Induced Crystalline-Phase Transformation for Hematite Nanorod Photoelectrochemical Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 48917-48927.	4.0	11
116	Photoreduction Synthesis of Hierarchical Hematite/Silver Nanostructures for Photoelectrochemical Water Splitting. <i>Energy Technology</i> , 2016, 4, 271-277.	1.8	10
117	Boosted thermal conductance of polycrystalline graphene by spin-coated silver nanowires. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 547-553.	2.5	10
118	Interfacial Thermal Contact Conductance inside the Graphene/Bi ₂ Te ₃ Heterostructure. <i>Advanced Materials Interfaces</i> , 2019, 6, 1900275.	1.9	9
119	Significant thermal conductivity reduction of CVD graphene with relatively low hole densities fabricated by focused ion beam processing. <i>Applied Physics Letters</i> , 2019, 114, .	1.5	9
120	Wearable Temperature Sensors: Sensitive Wearable Temperature Sensor with Seamless Monolithic Integration (<i>Adv. Mater.</i> 2/2020). <i>Advanced Materials</i> , 2020, 32, 2070014.	11.1	9
121	Highly Controlled Nanoporous Ag Electrode by Vaporization Control of 2-Ethoxyethanol for a Flexible Supercapacitor Application. <i>Langmuir</i> , 2017, 33, 1854-1860.	1.6	8
122	Recent Advances in 1D Nanomaterial-Based Bioelectronics for Healthcare Applications. <i>Advanced NanoBiomed Research</i> , 2022, 2, .	1.7	8
123	Modeling Alkaline Liquid Metal (Na) Evaporating Thin Films Using Both Retarded Dispersion and Electronic Force Components. <i>Journal of Heat Transfer</i> , 2009, 131, .	1.2	7
124	Thermal conductivity reduction of multilayer graphene with fine grain sizes. <i>JMST Advances</i> , 2019, 1, 191-195.	0.6	7
125	Operation Range-Optimized Silver Nanowire Through Junction Treatment. <i>Electronic Materials Letters</i> , 2020, 16, 491-497.	1.0	7
126	Effect of disjoining pressure (\hat{l}) on multi-scale modeling for evaporative liquid metal (Na) capillary. <i>International Journal of Heat and Mass Transfer</i> , 2014, 78, 137-149.	2.5	5

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127	Measurements of the minimum elevation of nano-particles by 3D nanoscale tracking using ratiometric evanescent wave imaging. <i>Experiments in Fluids</i> , 2006, 41, 173-183.	1.1	4
128	Wetting of nanofluids with nanoparticles of opposite surface potentials on pristine CVD graphene. <i>Experiments in Fluids</i> , 2016, 57, 1.	1.1	4
129	Shear-Assisted Laser Transfer of Metal Nanoparticle Ink to an Elastomer Substrate. <i>Materials</i> , 2018, 11, 2511.	1.3	4
130	Facile fabrication of flexible metal grid transparent electrode using inkjet-printed dot array as sacrificial layer. <i>Scientific Reports</i> , 2022, 12, 1572.	1.6	4
131	Flexible Electronics: Fast Plasmonic Laser Nanowelding for a Cu-Nanowire Percolation Network for Flexible Transparent Conductors and Stretchable Electronics (<i>Adv. Mater.</i> 33/2014). <i>Advanced Materials</i> , 2014, 26, 5888-5888.	11.1	3
132	Wearable Electronics: Biocompatible Cost-Effective Electrophysiological Monitoring with Oxidation-Free Cu@Au Core-Shell Nanowire (<i>Adv. Mater. Technol.</i> 12/2020). <i>Advanced Materials Technologies</i> , 2020, 5, 2070073.	3.0	3
133	Imperceptible Soft Robotics: Transparent Soft Actuators/Sensors and Camouflage Skins for Imperceptible Soft Robotics (<i>Adv. Mater.</i> 19/2021). <i>Advanced Materials</i> , 2021, 33, 2170147.	11.1	3
134	Nonintrusive measurements of mixture concentration fields by analyzing diffraction image patterns (point spread function) of nanoparticles. <i>Experiments in Fluids</i> , 2010, 49, 183-191.	1.1	2
135	Nanocomposites: Highly Stretchable or Transparent Conductor Fabrication by a Hierarchical Multiscale Hybrid Nanocomposite (<i>Adv. Funct. Mater.</i> 36/2014). <i>Advanced Functional Materials</i> , 2014, 24, 5618-5618.	7.8	2
136	Nanowires: Nanorecycling: Monolithic Integration of Copper and Copper Oxide Nanowire Network Electrode through Selective Reversible Photothermochemical Reduction (<i>Adv. Mater.</i> 41/2015). <i>Advanced Materials</i> , 2015, 27, 6396-6396.	11.1	2
137	The Effect of Particle Morphology on Unipolar Diffusion Charging of Silver Nanowires. <i>Aerosol Science and Technology</i> , 2015, 49, 290-298.	1.5	2
138	A Review on Investigation of Graphene Thermal Property: Recent Development in Measurement Techniques. <i>Multiscale Science and Engineering</i> , 2019, 1, 267-279.	0.9	2
139	Silver Nanowire Patterning: Highly Customizable Transparent Silver Nanowire Patterning via Inkjet-Printed Conductive Polymer Templates Formed on Various Surfaces (<i>Adv. Mater. Technol.</i>) Tj ETQq1 1 0.784314 rgB2/Overlo	1.1	2
140	Facile optical quantification of mercury ion concentration using graphene quantum dot coated filter paper disks. <i>Materials Chemistry and Physics</i> , 2021, 260, 124168.	2.0	2
141	Evolvable Skin Electronics by In Situ and In Operando Adaptation (<i>Adv. Funct. Mater.</i> 4/2022). <i>Advanced Functional Materials</i> , 2022, 32, .	7.8	2
142	Special section on the 13th International Symposium on Flow Visualization. <i>Experiments in Fluids</i> , 2010, 48, 545-546.	1.1	1
143	Maskless digital manufacturing of organic thin film transistor by femtosecond laser direct patterning. , 2014, , .		1
144	Cavity Microball Lenses: Femtosecond Laser Fabrication of Cavity Microball Lens (CMBL) inside a PMMA Substrate for Super-Wide Angle Imaging (<i>Small</i> 25/2015). <i>Small</i> , 2015, 11, 3006-3006.	5.2	1

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145	Flexible and highly sensitive multi-dimensional strain sensor with intersecting metal nanowire arrays. , 2017, , .		1
146	Artificial Thermal Sensation: Stretchable Skin-Like Cooling/Heating Device for Reconstruction of Artificial Thermal Sensation in Virtual Reality (Adv. Funct. Mater. 29/2020). Advanced Functional Materials, 2020, 30, 2070196.	7.8	1
147	Preface for the Soft and Green Manufacturing and Applications. International Journal of Precision Engineering and Manufacturing - Green Technology, 2021, 8, 743-744.	2.7	1
148	Development of Low-Shrink Epoxy Putty to Solve Appearance-Quality Defects of Carbon-Fiber-Reinforced Plastic Automotive Exterior Parts. Materials, 2021, 14, 6419.	1.3	1
149	Heat Transfer Photogallery. Journal of Heat Transfer, 2004, 126, 493-506.	1.2	0
150	Heat Transfer Photogallery. Journal of Heat Transfer, 2005, 127, 798-798.	1.2	0
151	Heat Transfer Photogallery. Journal of Heat Transfer, 2006, 128, 733-733.	1.2	0
152	Low temperature laser processing for the application in flexible & stretchable electronics. , 2015, , .		0
153	Heat Transfer Gallery. Journal of Heat Transfer, 2015, 137, .	1.2	0
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