

Kenneth David Kihm

List of Publications by Year in Descending Order

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

154
papers

5,479
citations

38
h-index

70
g-index

170
ext. papers

6,908
ext. citations

8.8
avg, IF

5.96
L-index

#	Paper	IF	Citations
154	Facile fabrication of flexible metal grid transparent electrode using inkjet-printed dot array as sacrificial layer.. <i>Scientific Reports</i> , 2022 , 12, 1572	4.9	
153	Evolvable Skin Electronics by In Situ and In Operando Adaptation (Adv. Funct. Mater. 4/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270029	15.6	1
152	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,	5.4	8
151	Soft multi-modal thermoelectric skin for dual functionality of underwater energy harvesting and thermoregulation. <i>Nano Energy</i> , 2022 , 95, 107002	17.1	4
150	Multi-Bandgap Monolithic Metal Nanowire Percolation Network Sensor Integration by Reversible Selective Laser-Induced Redox.. <i>Nano-Micro Letters</i> , 2022 , 14, 49	19.5	3
149	Recent Advances in 1D Nanomaterial-Based Bioelectronics for Healthcare Applications. <i>Advanced NanoBiomed Research</i> , 2022 , 2, 2270025	0	
148	Recent Advances in 1D Nanomaterial-Based Bioelectronics for Healthcare Applications. <i>Advanced NanoBiomed Research</i> , 2022 , 2, 2100111	0	3
147	Recent Advances in Sustainable Wearable Energy Devices with Nanoscale Materials and Macroscale Structures (Adv. Funct. Mater. 16/2022). <i>Advanced Functional Materials</i> , 2022 , 32, 2270094	15.6	
146	Transparent Air Filters with Active Thermal Sterilization. <i>Nano Letters</i> , 2021 ,	11.5	8
145	Preface for the Soft and Green Manufacturing and Applications. <i>International Journal of Precision Engineering and Manufacturing - Green Technology</i> , 2021 , 8, 743-744	3.8	
144	Metallic Nanowire Coupled CsPbBr ₃ Quantum Dots Plasmonic Nanolaser. <i>Advanced Functional Materials</i> , 2021 , 31, 2102375	15.6	9
143	From Chaos to Control: Programmable Crack Patterning with Molecular Order in Polymer Substrates. <i>Advanced Materials</i> , 2021 , 33, e2008434	24	4
142	Energy Harvesting Untethered Soft Electronic Devices. <i>Advanced Healthcare Materials</i> , 2021 , 10, e2002286.1	8.1	6
141	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	4.9	3
140	Imperceptible Soft Robotics: Transparent Soft Actuators/Sensors and Camouflage Skins for Imperceptible Soft Robotics (Adv. Mater. 19/2021). <i>Advanced Materials</i> , 2021 , 33, 2170147	24	0
139	Crack Programming: From Chaos to Control: Programmable Crack Patterning with Molecular Order in Polymer Substrates (Adv. Mater. 22/2021). <i>Advanced Materials</i> , 2021 , 33, 2170175	24	
138	Recent advances in liquid-metal-based wearable electronics and materials. <i>IScience</i> , 2021 , 24, 102698	6.1	17

137	Transparent Soft Actuators/Sensors and Camouflage Skins for Imperceptible Soft Robotics. <i>Advanced Materials</i> , 2021 , 33, e2002397	24	39
136	Smart Stretchable Electronics for Advanced Human-Machine Interface. <i>Advanced Intelligent Systems</i> , 2021 , 3, 2000157	6	12
135	Facile optical quantification of mercury ion concentration using graphene quantum dot coated filter paper disks. <i>Materials Chemistry and Physics</i> , 2021 , 260, 124168	4.4	2
134	Monolithic digital patterning of polydimethylsiloxane with successive laser pyrolysis. <i>Nature Materials</i> , 2021 , 20, 100-107	27	28
133	Digital Laser Micropainting: Digital Laser Micropainting for Reprogrammable Optoelectronic Applications (Adv. Funct. Mater. 1/2021). <i>Advanced Functional Materials</i> , 2021 , 31, 2170002	15.6	
132	Electrocatalytic Oxidation of Glucose on Boron and Nitrogen Codoped Graphene Quantum Dot Electrodes in Alkali Media. <i>Catalysts</i> , 2021 , 11, 101	4	6
131	Biomimetic chameleon soft robot with artificial crypsis and disruptive coloration skin. <i>Nature Communications</i> , 2021 , 12, 4658	17.4	21
130	Dynamic Pore Modulation of Stretchable Electrospun Nanofiber Filter for Adaptive Machine Learned Respiratory Protection. <i>ACS Nano</i> , 2021 , 15, 15730-15740	16.7	8
129	Functional Materials and Devices for XR (VR/AR/MR) Applications. <i>Advanced Functional Materials</i> , 2021 , 31, 2106546	15.6	8
128	Significant thermoelectric conversion efficiency enhancement of single layer graphene with substitutional silicon dopants. <i>Nano Energy</i> , 2021 , 87, 106188	17.1	5
127	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	7.1	4
126	A Liquid Metal Based Multimodal Sensor and Haptic Feedback Device for Thermal and Tactile Sensation Generation in Virtual Reality. <i>Advanced Functional Materials</i> , 2020 , 31, 2007772	15.6	23
125	Wearable Electronics: Biocompatible Cost-Effective Electrophysiological Monitoring with Oxidation-Free Cu@Au Core-Shell Nanowire (Adv. Mater. Technol. 12/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070073	6.8	2
124	Silver Nanowire Patterning: Highly Customizable Transparent Silver Nanowire Patterning via Inkjet-Printed Conductive Polymer Templates Formed on Various Surfaces (Adv. Mater. Technol. 6/2020). <i>Advanced Materials Technologies</i> , 2020 , 5, 2070036	6.8	1
123	Operation Range-Optimized Silver Nanowire Through Junction Treatment. <i>Electronic Materials Letters</i> , 2020 , 16, 491-497	2.9	3
122	Non-enzymatic electrochemical detection of hydrogen peroxide on highly amidized graphene quantum dot electrodes. <i>Applied Surface Science</i> , 2020 , 528, 146936	6.7	9
121	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	13	30
120	Highly Customizable Transparent Silver Nanowire Patterning via Inkjet-Printed Conductive Polymer Templates Formed on Various Surfaces. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000042	6.8	21

119	Recent Progress in Transparent Conductors Based on Nanomaterials: Advancements and Challenges. <i>Advanced Materials Technologies</i> , 2020 , 5, 1900939	6.8	20
118	Stretchable Skin-Like Cooling/Heating Device for Reconstruction of Artificial Thermal Sensation in Virtual Reality. <i>Advanced Functional Materials</i> , 2020 , 30, 1909171	15.6	31
117	Wearable Temperature Sensors: Sensitive Wearable Temperature Sensor with Seamless Monolithic Integration (Adv. Mater. 2/2020). <i>Advanced Materials</i> , 2020 , 32, 2070014	24	4
116	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	6	17
115	A deep-learned skin sensor decoding the epicentral human motions. <i>Nature Communications</i> , 2020 , 11, 2149	17.4	60
114	Sensitive Wearable Temperature Sensor with Seamless Monolithic Integration. <i>Advanced Materials</i> , 2020 , 32, e1905527	24	103
113	Biohybrid Actuators for Soft Robotics: Challenges in Scaling Up. <i>Actuators</i> , 2020 , 9, 96	2.4	9
112	Laser-Induced Crystalline-Phase Transformation for Hematite Nanorod Photoelectrochemical Cells. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 48917-48927	9.5	4
111	Artificial Thermal Sensation: Stretchable Skin-Like Cooling/Heating Device for Reconstruction of Artificial Thermal Sensation in Virtual Reality (Adv. Funct. Mater. 29/2020). <i>Advanced Functional Materials</i> , 2020 , 30, 2070196	15.6	1
110	Thermally Controlled, Active Imperceptible Artificial Skin in Visible-to-Infrared Range. <i>Advanced Functional Materials</i> , 2020 , 30, 2003328	15.6	22
109	Thermo-Haptic Materials and Devices for Wearable Virtual and Augmented Reality. <i>Advanced Functional Materials</i> , 2020 , 31, 2007376	15.6	11
108	Biocompatible Cost-Effective Electrophysiological Monitoring with Oxidation-Free Cu@Au Core/Shell Nanowire. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000661	6.8	9
107	70-2: Low Temperature Process and Material Development for Flexible/Stretchable Transparent Conductor. <i>Digest of Technical Papers SID International Symposium</i> , 2020 , 51, 1044-1047	0.5	
106	Mechano-thermo-chromic device with supersaturated salt hydrate crystal phase change. <i>Science Advances</i> , 2019 , 5, eaav4916	14.3	15
105	Semipermanent Copper Nanowire Network with an Oxidation-Proof Encapsulation Layer. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800422	6.8	17
104	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	3.8	31
103	Boosted thermal conductance of polycrystalline graphene by spin-coated silver nanowires. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 134, 547-553	4.9	7
102	Transparent wearable three-dimensional touch by self-generated multiscale structure. <i>Nature Communications</i> , 2019 , 10, 2582	17.4	36

101	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	7.2	35
100	Thermal conductivity reduction of multilayer graphene with fine grain sizes. <i>JMST Advances</i> , 2019 , 1, 191-195	1.9	4
99	Interfacial Thermal Contact Conductance inside the Graphene/Bi ₂ Te ₃ Heterostructure. <i>Advanced Materials Interfaces</i> , 2019 , 6, 1900275	4.6	7
98	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, 051905	3.4	5
97	Stretchable/flexible silver nanowire Electrodes for energy device applications. <i>Nanoscale</i> , 2019 , 11, 20356-20378	7.2	48
96	Stretchable and Transparent Kirigami Conductor of Nanowire Percolation Network for Electronic Skin Applications. <i>Nano Letters</i> , 2019 , 19, 6087-6096	11.5	136
95	Directional Shape Morphing Transparent Walking Soft Robot. <i>Soft Robotics</i> , 2019 , 6, 760-767	9.2	19
94	A Review on Investigation of Graphene Thermal Property: Recent Development in Measurement Techniques. <i>Multiscale Science and Engineering</i> , 2019 , 1, 267-279	1.2	1
93	Complex Refractive Index (RI) of Graphene 2019 , 389-412		2
92	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	5.6	44
91	Highly Stable Ni-Based Flexible Transparent Conducting Panels Fabricated by Laser Digital Patterning. <i>Advanced Functional Materials</i> , 2019 , 29, 1806895	15.6	48
90	An efficient reduced graphene-oxide filter for PM _{2.5} removal. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 16975-16982	13	36
89	ZnO/CuO/M (M = Ag, Au) Hierarchical Nanostructure by Successive Photoreduction Process for Solar Hydrogen Generation. <i>Nanomaterials</i> , 2018 , 8,	5.4	9
88	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	12.8	29
87	Two orders of magnitude suppression of graphene's thermal conductivity by heavy dopants (Si). <i>Carbon</i> , 2018 , 138, 98-107	10.4	22
86	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	15.6	135
85	Recent progress in silver nanowire based flexible/wearable optoelectronics. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 7445-7461	7.1	88
84	Shear-Assisted Laser Transfer of Metal Nanoparticle Ink to an Elastomer Substrate. <i>Materials</i> , 2018 , 11,	3.5	3

83	Enhanced Thermoelectric Conversion Efficiency of CVD Graphene with Reduced Grain Sizes. <i>Nanomaterials</i> , 2018 , 8,	5.4	16
82	Micropatterning of Metal Nanoparticle Ink by Laser-Induced Thermocapillary Flow. <i>Nanomaterials</i> , 2018 , 8,	5.4	12
81	A dual-scale metal nanowire network transparent conductor for highly efficient and flexible organic light emitting diodes. <i>Nanoscale</i> , 2017 , 9, 1978-1985	7.7	85
80	In-Plane Thermal Conductivity of Polycrystalline Chemical Vapor Deposition Graphene with Controlled Grain Sizes. <i>Nano Letters</i> , 2017 , 17, 2361-2366	11.5	57
79	Ag/Au/Polypyrrole Core-shell Nanowire Network for Transparent, Stretchable and Flexible Supercapacitor in Wearable Energy Devices. <i>Scientific Reports</i> , 2017 , 7, 41981	4.9	162
78	Highly Controlled Nanoporous Ag Electrode by Vaporization Control of 2-Ethoxyethanol for a Flexible Supercapacitor Application. <i>Langmuir</i> , 2017 , 33, 1854-1860	4	6
77	Flexible and Transparent Cu Electronics by Low-Temperature Acid-Assisted Laser Processing of Cu Nanoparticles. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600222	6.8	39
76	Thermally stable Ag@ZrO ₂ core-shell via atomic layer deposition. <i>Materials Letters</i> , 2017 , 188, 372-374	3.3	18
75	Plasmonic-Tuned Flash Cu Nanowelding with Ultrafast Photochemical-Reducing and Interlocking on Flexible Plastics. <i>Advanced Functional Materials</i> , 2017 , 27, 1701138	15.6	76
74	High Efficiency, Transparent, Reusable, and Active PM2.5 Filters by Hierarchical Ag Nanowire Percolation Network. <i>Nano Letters</i> , 2017 , 17, 4339-4346	11.5	121
73	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	7.1	44
72	Nanowire-on-Nanowire: All-Nanowire Electronics by On-Demand Selective Integration of Hierarchical Heterogeneous Nanowires. <i>ACS Nano</i> , 2017 , 11, 12311-12317	16.7	29
71	Kinetic enhancement via passive deposition of carbon-based nanomaterials in vanadium redox flow batteries. <i>Journal of Power Sources</i> , 2017 , 366, 241-248	8.9	23
70	Effect of graphene-substrate conformity on the in-plane thermal conductivity of supported graphene. <i>Carbon</i> , 2017 , 125, 39-48	10.4	14
69	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	3.8	12
68	Heat flow diversion in supported graphene nanomesh. <i>Carbon</i> , 2017 , 123, 45-53	10.4	13
67	Metal Nanowire-Coated Metal Woven Mesh for High-Performance Stretchable Transparent Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 40905-40913	9.5	22
66	Flexible and highly sensitive multi-dimensional strain sensor with intersecting metal nanowire arrays 2017 ,		1

65	Solution-Processible Crystalline NiO Nanoparticles for High-Performance Planar Perovskite Photovoltaic Cells. <i>Scientific Reports</i> , 2016 , 6, 30759	4.9	129
64	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	6.4	39
63	Random nanocrack, assisted metal nanowire-bundled network fabrication for a highly flexible and transparent conductor. <i>RSC Advances</i> , 2016 , 6, 57434-57440	3.7	50
62	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	3.8	11
61	Highly Stretchable and Transparent Supercapacitor by Ag-Au Core-Shell Nanowire Network with High Electrochemical Stability. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15449-58	9.5	173
60	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	13	105
59	Photoreduction Synthesis of Hierarchical Hematite/Silver Nanostructures for Photoelectrochemical Water Splitting. <i>Energy Technology</i> , 2016 , 4, 271-277	3.5	9
58	High-efficiency electrochemical thermal energy harvester using carbon nanotube aerogel sheet electrodes. <i>Nature Communications</i> , 2016 , 7, 10600	17.4	172
57	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, 11575-82	9.5	122
56	Wetting of nanofluids with nanoparticles of opposite surface potentials on pristine CVD graphene. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	4
55	Femtosecond Laser Fabrication of Cavity Microball Lens (CMBL) inside a PMMA Substrate for Super-Wide Angle Imaging. <i>Small</i> , 2015 , 11, 3007-16	11	42
54	The Effect of Particle Morphology on Unipolar Diffusion Charging of Silver Nanowires. <i>Aerosol Science and Technology</i> , 2015 , 49, 290-298	3.4	2
53	Highly Sensitive and Stretchable Multidimensional Strain Sensor with Prestrained Anisotropic Metal Nanowire Percolation Networks. <i>Nano Letters</i> , 2015 , 15, 5240-7	11.5	417
52	Ultrasonication assisted production of silver nanowires with low aspect ratio and their optical properties. <i>Ultrasonics Sonochemistry</i> , 2015 , 22, 35-40	8.9	17
51	Nanowires: Nanorecycling: Monolithic Integration of Copper and Copper Oxide Nanowire Network Electrode through Selective Reversible Photothermochemical Reduction (Adv. Mater. 41/2015). <i>Advanced Materials</i> , 2015 , 27, 6396-6396	24	2
50	Cavity Microball Lenses: Femtosecond Laser Fabrication of Cavity Microball Lens (CMBL) inside a PMMA Substrate for Super-Wide Angle Imaging (Small 25/2015). <i>Small</i> , 2015 , 11, 3006-3006	11	1
49	Control and Manipulation of Nano Cracks Mimicking Optical Wave. <i>Scientific Reports</i> , 2015 , 5, 17292	4.9	10
48	Highly stretchable and transparent metal nanowire heater for wearable electronics applications. <i>Advanced Materials</i> , 2015 , 27, 4744-51	24	541

47	Nanorecycling: Monolithic Integration of Copper and Copper Oxide Nanowire Network Electrode through Selective Reversible Photothermochemical Reduction. <i>Advanced Materials</i> , 2015 , 27, 6397-403	24	93
46	Nano Sensing and Energy Conversion Using Surface Plasmon Resonance (SPR). <i>Materials</i> , 2015 , 8, 4332-4343	5	8
45	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	13	57
44	Laser-Induced Hydrothermal Growth of Heterogeneous Metal-Oxide Nanowire on Flexible Substrate by Laser Absorption Layer Design. <i>ACS Nano</i> , 2015 , 9, 6059-68	16.7	64
43	How to reliably determine the complex refractive index (RI) of graphene by using two independent measurement constraints. <i>Scientific Reports</i> , 2014 , 4, 6364	4.9	69
42	Flexible Electronics: Fast Plasmonic Laser Nanowelding for a Cu-Nanowire Percolation Network for Flexible Transparent Conductors and Stretchable Electronics (Adv. Mater. 33/2014). <i>Advanced Materials</i> , 2014 , 26, 5888-5888	24	3
41	Effect of disjoining pressure (Π) on multi-scale modeling for evaporative liquid metal (Na) capillary. <i>International Journal of Heat and Mass Transfer</i> , 2014 , 78, 137-149	4.9	3
40	Highly Stretchable or Transparent Conductor Fabrication by a Hierarchical Multiscale Hybrid Nanocomposite. <i>Advanced Functional Materials</i> , 2014 , 24, 5671-5678	15.6	239
39	Full-field subwavelength imaging using a scattering superlens. <i>Physical Review Letters</i> , 2014 , 113, 113907	7.4	58
38	Review of the Multi-scale Nano-structure Approach to the Development of High Efficiency Solar Cells. <i>Smart Science</i> , 2014 , 2, 54-62	1.5	18
37	Maskless digital manufacturing of organic thin film transistor by femtosecond laser direct patterning 2014 ,		1
36	Nanoscale Heaters: Single Nanowire Resistive Nano-heater for Highly Localized Thermo-Chemical Reactions: Localized Hierarchical Heterojunction Nanowire Growth (Small 24/2014). <i>Small</i> , 2014 , 10, 5014-5014	11.1	30
35	Nanocomposites: Highly Stretchable or Transparent Conductor Fabrication by a Hierarchical Multiscale Hybrid Nanocomposite (Adv. Funct. Mater. 36/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 5618-5618	15.6	1
34	How to optically count graphene layers. <i>Optics Letters</i> , 2012 , 37, 3765-7	3	22
33	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	5	14
32	Measuring near-field nanoparticle concentration profiles by correlating surface plasmon resonance reflectance with effective refractive index of nanofluids. <i>Optics Letters</i> , 2010 , 35, 393-5	3	18
31	Surface plasmon resonance reflectance imaging technique for near-field (~100 nm) fluidic characterization. <i>Experiments in Fluids</i> , 2010 , 48, 547-564	2.5	13
30	Fluidic applications for atomic force microscopy (AFM) with microcantilever sensors. <i>Experiments in Fluids</i> , 2010 , 48, 721-736	2.5	24

29	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	2.5	2
28	Surface elasticity and charge concentration-dependent endothelial cell attachment to copolymer polyelectrolyte hydrogel. <i>Acta Biomaterialia</i> , 2009 , 5, 144-51	10.8	23
27	Unveiling hidden complex cavities formed during nanocrystalline self-assembly. <i>Langmuir</i> , 2009 , 25, 1881-4	1.4	16
26	Modeling Alkaline Liquid Metal (Na) Evaporating Thin Films Using Both Retarded Dispersion and Electronic Force Components. <i>Journal of Heat Transfer</i> , 2009 , 131,	1.8	5
25	Opto-Electric Cellular Biosensor Using Optically Transparent Indium Tin Oxide (ITO) Electrodes. <i>Sensors</i> , 2008 , 8, 3257-3270	3.8	31
24	Expression of NUANCE, a potential novel oncogene, is inhibited by nonsteroidal anti-inflammatory drugs (NSAIDs) in human colorectal cancer cells. <i>FASEB Journal</i> , 2008 , 22, 1031.1	0.9	
23	Effect of nanoparticle sizes and number densities on the evaporation and dryout characteristics for strongly pinned nanofluid droplets. <i>Langmuir</i> , 2007 , 23, 2953-60	4	85
22	Real-time and full-field detection of near-wall salinity using surface plasmon resonance reflectance. <i>Analytical Chemistry</i> , 2007 , 79, 5418-23	7.8	12
21	Near-Field Thermometry Sensor Based on the Thermal Resonance of a Microcantilever in Aqueous Medium. <i>Sensors</i> , 2007 , 7, 3156-3165	3.8	11
20	An endothelial cell compatible biosensor fabricated using optically thin indium tin oxide silicon nitride electrodes. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2585-90	11.8	35
19	Optoelectric biosensor using indium-tin-oxide electrodes. <i>Optics Letters</i> , 2007 , 32, 1405-7	3	14
18	Full-field and real-time surface plasmon resonance imaging thermometry. <i>Optics Letters</i> , 2007 , 32, 3456-8	3	15
17	Microscale Heat and Mass Transport of Evaporating Thin Film of Binary Mixture. <i>Journal of Thermophysics and Heat Transfer</i> , 2006 , 20, 320-326	1.3	22
16	Heat Transfer Photogallery. <i>Journal of Heat Transfer</i> , 2006 , 128, 733-733	1.8	
15	Use of confocal laser scanning microscopy (CLSM) for depthwise resolved microscale-particle image velocimetry (EPIV). <i>Optics and Lasers in Engineering</i> , 2006 , 44, 208-223	4.6	18
14	Three-dimensional micro-PTV using deconvolution microscopy. <i>Experiments in Fluids</i> , 2006 , 40, 491-499	2.5	60
13	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	2.5	3
12	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	2.5	19

11	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	4.9	48
10	Heat Transfer Photogallery. <i>Journal of Heat Transfer</i> , 2005 , 127, 798-798	1.8	
9	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	2.4	75
8	Heat Transfer Photogallery. <i>Journal of Heat Transfer</i> , 2004 , 126, 493-506	1.8	
7	Optically sliced micro-PIV using confocal laser scanning microscopy (CLSM). <i>Experiments in Fluids</i> , 2004 , 37, 105-119	2.5	122
6	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	2.5	114
5	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	1.8	20
4	Metal-Oxide Nanomaterials Synthesis and Applications in Flexible and Wearable Sensors. <i>ACS Nanoscience Au</i> ,		12
3	Evolvable Skin Electronics by In Situ and In Operando Adaptation. <i>Advanced Functional Materials</i> , 2106329	5.6	7
2	Recent Advances in Sustainable Wearable Energy Devices with Nanoscale Materials and Macroscale Structures. <i>Advanced Functional Materials</i> , 2110535	15.6	5
1	Bioinspired Soft Robotic Fish for Wireless Underwater Control of Gliding Locomotion. <i>Advanced Intelligent Systems</i> , 2100271	6	2