Sheng Liu

List of Publications by Year
in descending order

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		29994	53109
506	11,185	54	85
papers	citations	h-index	g-index

549	549	549	9904
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Heat and fluid flow in high-power LED packaging and applications. Progress in Energy and Combustion Science, 2016, 56, 1-32.	15.8	374
2	Mechanical Chameleon through Dynamic Real-Time Plasmonic Tuning. ACS Nano, 2016, 10, 1788-1794.	7.3	262
3	New materials graphyne, graphdiyne, graphone, and graphane: review of properties, synthesis, and application in nanotechnology. Nanotechnology, Science and Applications, 2014, 7, 1.	4.6	241
4	Hybrid Perovskite Lightâ€Emitting Diodes Based on Perovskite Nanocrystals with Organicâ€“Inorganic Mixed Cations. Advanced Materials, 2017, 29, 1606405.	11.1	235
5	Design of compact freeform lens for application specific light-emitting diode packaging. Optics Express, 2010, 18, 413.	1.7	199
6	Room-temperature continuous-wave electrically injected InGaN-based laser directly grown on Si. Nature Photonics, 2016, 10, 595-599.	15.6	191
7	A genome-wide association study reveals novel elite allelic variations in seed oil content of Brassica napus. Theoretical and Applied Genetics, 2016, 129, 1203-1215.	1.8	185
8	Highly efficient GaN-based high-power flip-chip light-emitting diodes. Optics Express, 2019, 27, A669.	1.7	176
9	Optical Analysis of Color Distribution in White LEDs With Various Packaging Methods. IEEE Photonics Technology Letters, 2008, 20, 2027-2029.	1.3	167
10	Spiral autofocusing Airy beams carrying power-exponent-phase vortices. Optics Express, 2014, 22, 7598.	1.7	152
11	Boosted ultraviolet electroluminescence of InGaN/AlGaN quantum structures grown on high-index contrast patterned sapphire with silica array. Nano Energy, 2020, 69, 104427.	8.2	150
12	Thermal analysis and optimization of multiple LED packaging based on a general analytical solution. International Journal of Thermal Sciences, 2010, 49, 196-201.	2.6	147
13	Measurement and numerical studies of optical properties of YAG:Ce phosphor for white light-emitting diode packaging. Applied Optics, 2010, 49, 247.	2.1	147
14	Enriching Nanoparticles via Acoustofluidics. ACS Nano, 2017, 11, 603-612.	7.3	142
15	Identification of QTLs for Resistance to Sclerotinia Stem Rot and BnaC.IGMT5.a as a Candidate Gene of the Major Resistant QTL SRC6 in Brassica napus. PLoS ONE, 2013, 8, e67740.	1.1	140
16	Unveiling pseudospin and angular momentum in photonic graphene. Nature Communications, 2015, 6, 6272.	5.8	125
17	Abrupt polarization transition of vector autofocusing Airy beams. Optics Letters, 2013, 38, 2416.	1.7	124
18	A Microjet Array Cooling System for Thermal Management of High-Brightness LEDs. IEEE Transactions on Advanced Packaging, 2007, 30, 475-484.	1.7	118

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19	Fungal community demonstrates stronger dispersal limitation and less network connectivity than bacterial community in sediments along a large river. Environmental Microbiology, 2020, 22, 832-849.	1.8	115
20	Generation of arbitrary spatially variant polarization beams with a trapezoid Sagnac interferometer. Optics Express, 2012, 20, 21715.	1.7	108
21	Acceleration control of Airy beams with optically induced refractive-index gradient. Optics Letters, 2011, 36, 3230.	1.7	103
22	Design of a novel freeform lens for LED uniform illumination and conformal phosphor coating. Optics Express, 2012, 20, 13727.	1.7	100
23	Assisted 3D printing of microneedle patches for minimally invasive glucose control in diabetes. Materials Science and Engineering C, 2020, 117, 111299.	3.8	95
24	Design and Fabrication of a Magnetic Propulsion System for Self-Propelled Capsule Endoscope. IEEE Transactions on Biomedical Engineering, 2010, 57, 2891-2902.	2.5	94
25	Preparation of a YAG:Ce phosphor glass by screen-printing technology and its application in LED packaging. Optics Letters, 2013, 38, 2240.	1.7	94
26	Effects of GaN/AlGaN/Sputtered AlN nucleation layers on performance of GaN-based ultraviolet light-emitting diodes. Scientific Reports, 2017, 7, 44627.	1.6	92
27	Plasmonic Perovskite Light-Emitting Diodes Based on the Agâ€“CsPbBr₃ System. ACS Applied Materials & Interfaces, 2017, 9, 4926-4931.	4.0	91
28	Status and prospects for phosphor-based white LED packaging. Frontiers of Optoelectronics in China, 2009, 2, 119-140.	0.2	90
29	Effect of phosphor settling on the optical performance of phosphor-converted white light-emitting diode. Journal of Luminescence, 2012, 132, 1252-1256.	1.5	89
30	Quaternion-Based Unscented Kalman Filter for Accurate Indoor Heading Estimation Using Wearable Multi-Sensor System. Sensors, 2015, 15, 10872-10890.	2.1	88
31	Switchable Adhesion of Micropillar Adhesive on Rough Surfaces. Small, 2019, 15, e1904248.	5.2	83
32	Study on the Optical Properties of Conformal Coating Light-Emitting Diode by Monte Carlo Simulation. IEEE Photonics Technology Letters, 2011, 23, 1673-1675.	1.3	81
33	Studies on Optical Consistency of White LEDs Affected by Phosphor Thickness and Concentration Using Optical Simulation. IEEE Transactions on Components and Packaging Technologies, 2010, 33, 680-687.	1.4	80
34	Angular color uniformity enhancement of white light-emitting diodes integrated with freeform lenses. Optics Letters, 2010, 35, 1860.	1.7	79
35	Genome-wide Association Study Identifies New Loci for Resistance to Sclerotinia Stem Rot in Brassica napus. Frontiers in Plant Science, 2016, 7, 1418.	1.7	79
36	Efficient light-emitting diodes based on green perovskite nanocrystals with mixed-metal cations. Nano Energy, 2016, 30, 511-516.	8.2	76

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37	High quality GaN buffer layer by isoelectronic doping and its application to 365â€¯nm InGaN/AlGaN ultraviolet light-emitting diodes. Applied Surface Science, 2019, 471, 231-238.	3.1	76
38	Active PSF shaping and adaptive optics enable volumetric localization microscopy through brain sections. Nature Methods, 2018, 15, 583-586.	9.0	74
39	New reversing design method for LED uniform illumination. Optics Express, 2011, 19, A830.	1.7	73
40	Highly efficient and reliable high power LEDs with patterned sapphire substrate and strip-shaped distributed current blocking layer. Applied Surface Science, 2015, 355, 1013-1019.	3.1	72
41	Numerical and experimental investigation of GaN-based flip-chip light-emitting diodes with highly reflective Ag/TiW and ITO/DBR Ohmic contacts. Optics Express, 2017, 25, 26615.	1.7	72
42	Analyzing complex single-molecule emission patterns with deep learning. Nature Methods, 2018, 15, 913-916.	9.0	70
43	Physiological Acoustic Sensing Based on Accelerometers: A Survey for Mobile Healthcare. Annals of Biomedical Engineering, 2014, 42, 2264-2277.	1.3	68
44	Bright and efficient light-emitting diodes based on MA/Cs double cation perovskite nanocrystals. Journal of Materials Chemistry C, 2017, 5, 6123-6128.	2.7	67
45	A Novel Approach for Achieving Highâ€Efficiency Photoelectrochemical Water Oxidation in InGaN Nanorods Grown on Si System: MXene Nanosheets as Multifunctional Interfacial Modifier. Advanced Functional Materials, 2020, 30, 1910479.	7.8	67
46	Optical Analysis of Phosphor's Location for High-Power Light-Emitting Diodes. IEEE Transactions on Device and Materials Reliability, 2009, 9, 65-73.	1.5	65
47	Conformal phosphor coating using capillary microchannel for controlling color deviation of phosphor-converted white light-emitting diodes. Optics Express, 2012, 20, 5092.	1.7	64
48	Mechanical stabilities and properties of graphene-like aluminum nitride predicted from first-principles calculations. RSC Advances, 2013, 3, 7083.	1.7	64
49	The effect of nanometre-scale V-pits on electronic and optical properties and efficiency droop of GaN-based green light-emitting diodes. Scientific Reports, 2018, 8, 11053.	1.6	64
50	Evolution of molten pool during selective laser melting of Tiâ€“6Alâ€“4V. Journal Physics D: Applied Physics, 2019, 52, 055302.	1.3	60
51	Optical Performance Enhancement for Chip-on-Board Packaging LEDs by Adding TiO₂/Silicone Encapsulation Layer. IEEE Electron Device Letters, 2014, 35, 1046-1048.	2.2	59
52	Effects of Defects on the Thermal and Optical Performance of High-Brightness Light-Emitting Diodes. IEEE Transactions on Electronics Packaging Manufacturing, 2009, 32, 233-240.	1.6	58
53	Effects of temperature and strain rate on mechanical property of Sn96.5Ag3Cu0.5. Journal of Alloys and Compounds, 2007, 438, 100-105.	2.8	57
54	Application of patterned sapphire substrate for III-nitride light-emitting diodes. Nanoscale, 2022, 14, 4887-4907.	2.8	56

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55	Effects of Moist Environments on LED Module Reliability. IEEE Transactions on Device and Materials Reliability, 2010, 10, 182-186.	1.5	55
56	A new ratiometric fluorescent chemodosimeter based on an ICT modulation for the detection of Hg2+. Sensors and Actuators B: Chemical, 2016, 230, 639-644.	4.0	55
57	Study on sapphire removal for thin-film LEDs fabrication using CMP and dry etching. Applied Surface Science, 2009, 255, 9469-9473.	3.1	53
58	In situ formation of flower-like CuCo₂S₄ nanosheets/graphene composites with enhanced lithium storage properties. RSC Advances, 2016, 6, 38321-38327.	1.7	53
59	Porous Active Carbon Layer Modified Graphene for High-performance Supercapacitor. Electrochimica Acta, 2017, 237, 102-108.	2.6	53
60	Investigations of thermal and flow behavior of bifurcations and bends in fractal-like microchannel networks: Secondary flow and recirculation flow. International Journal of Heat and Mass Transfer, 2015, 85, 723-731.	2.5	51
61	Experimental and Numerical Investigation of a Microjet-Based Cooling System for High Power LEDs. Heat Transfer Engineering, 2008, 29, 774-781.	1.2	49
62	Layer-by-layer assembly and tribological property of multilayer ultrathin films constructed by modified graphene sheets and polyethyleneimine. Applied Surface Science, 2012, 258, 2231-2236.	3.1	49
63	Mechanical properties and stabilities of g-ZnS monolayers. RSC Advances, 2015, 5, 11240-11247.	1.7	49
64	The normal-auxeticity mechanical phase transition in graphene. 2D Materials, 2017, 4, 021020.	2.0	49
65	Dry etching characteristics of GaN using Cl2/BCl3 inductively coupled plasmas. Applied Surface Science, 2010, 257, 905-910.	3.1	48
66	Improvement in angular color uniformity of white light-emitting diodes using screen-printed multilayer phosphor-in-glass. Applied Optics, 2014, 53, 8492.	2.1	47
67	Vortex Airy beams directly generated via liquid crystal q-Airy-plates. Applied Physics Letters, 2018, 112, .	1.5	47
68	A smart hydrogel system for visual detection of glucose. Biosensors and Bioelectronics, 2019, 142, 111547.	5.3	47
69	Fabrication of Microlens Arrays with Controlled Curvature by Micromolding Water Condensing Based Porous Films for Deep Ultraviolet LEDs. ACS Photonics, 2017, 4, 2479-2485.	3.2	46
70	Tree Frog-Inspired Micropillar Arrays with Nanopits on the Surface for Enhanced Adhesion under Wet Conditions. ACS Applied Materials & Interfaces, 2020, 12, 19116-19122.	4.0	46
71	Effect of manufacturing defects on optical performance of discontinuous freeform lenses. Optics Express, 2009, 17, 5457.	1.7	44
72	Effects of chirality and number of graphene layers on the mechanical properties of graphene-embedded copper nanocomposites. Computational Materials Science, 2016, 117, 294-299.	1.4	44

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73	Anthropogenic disturbances on antibiotic resistome along the Yarlung Tsangpo River on the Tibetan Plateau: Ecological dissemination mechanisms of antibiotic resistance genes to bacterial pathogens. Water Research, 2021, 202, 117447.	5.3	44
74	Investigation of layer-by-layer laser remelting to improve surface quality, microstructure, and mechanical properties of laser powder bed fused AlSi10Mg alloy. Materials and Design, 2021, 210, 110092.	3.3	44
75	Vortex-controlled morphology conversion of microstructures on silicon induced by femtosecond vector vortex beams. Applied Physics Letters, 2017, 111, .	1.5	44
76	Improved light extraction efficiency of GaN-based LEDs with patterned sapphire substrate and patterned ITO. Optics and Laser Technology, 2012, 44, 2302-2305.	2.2	42
77	sCMOS noise-correction algorithm for microscopy images. Nature Methods, 2017, 14, 760-761.	9.0	41
78	Catalystlike effect of orbital angular momentum on the conversion of transverse to three-dimensional spin states within tightly focused radially polarized beams. Physical Review A, 2018, 97, .	1.0	41
79	Bacterial Communities in Riparian Sediments: A Large-Scale Longitudinal Distribution Pattern and Response to Dam Construction. Frontiers in Microbiology, 2018, 9, 999.	1.5	41
80	Study on phosphor sedimentation effect in white light-emitting diode packages by modeling multi-layer phosphors with the modified Kubelka-Munk theory. Journal of Applied Physics, 2013, 113, 063108.	1.1	40
81	How bacterioplankton community can go with cascade damming in the highly regulated Lancangâ€“Mekong River Basin. Molecular Ecology, 2018, 27, 4444-4458.	2.0	40
82	Adhesion Enhancement of Micropillar Array by Combining the Adhesive Design from Gecko and Tree Frog. Small, 2021, 17, e2005493.	5.2	40
83	Controlling the polarization singularities of the focused azimuthally polarized beams. Optics Express, 2013, 21, 974.	1.7	39
84	Luminous efficacy enhancement of ultraviolet-excited white light-emitting diodes through multilayered phosphor-in-glass. Applied Optics, 2016, 55, 4933.	2.1	39
85	Enhancing Angular Color Uniformity of Phosphor-Converted White Light-Emitting Diodes by Phosphor Dip-Transfer Coating. Journal of Lightwave Technology, 2013, 31, 1987-1993.	2.7	38
86	GaN-based flip-chip LEDs with highly reflective ITO/DBR p-type and via hole-based n-type contacts for enhanced current spreading and light extraction. Optics and Laser Technology, 2017, 92, 95-100.	2.2	38
87	Mechanical properties and stabilities of Î±-boron monolayers. Physical Chemistry Chemical Physics, 2015, 17, 2160-2168.	1.3	37
88	Distinctive nanofriction of graphene coated copper foil. Computational Materials Science, 2016, 117, 406-411.	1.4	37
89	Comparative study of GaN-based ultraviolet LEDs grown on different-sized patterned sapphire substrates with sputtered AlN nucleation layer. Japanese Journal of Applied Physics, 2017, 56, 111001.	0.8	37
90	Distinct Assembly Mechanisms Underlie Similar Biogeographic Patterns of Rare and Abundant Bacterioplankton in Cascade Reservoirs of a Large River. Frontiers in Microbiology, 2020, 11, 158.	1.5	37

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91	A Dual-Linear Kalman Filter for Real-Time Orientation Determination System Using Low-Cost MEMS Sensors. Sensors, 2016, 16, 264.	2.1	35
92	An optimal structural design to improve the reliability of Al2O3â€“DBC substrates under thermal cycling. Microelectronics Reliability, 2016, 56, 101-108.	0.9	34
93	Atomistic simulation on nanomechanical response of indented graphene/nickel system. Computational Materials Science, 2017, 130, 16-20.	1.4	34
94	Influence of laser post-processing on pore evolution of Tiâ€“6Alâ€“4V alloy by laser powder bed fusion. Journal of Alloys and Compounds, 2020, 818, 152845.	2.8	34
95	Magnetic solid-phase extraction of trace-level mercury(II) ions using magnetic core-shell nanoparticles modified with thiourea-derived chelating agents. Mikrochimica Acta, 2015, 182, 1337-1344.	2.5	33
96	Optical Performance Enhancement of Quantum Dot-Based Light-Emitting Diodes Through an Optimized Remote Structure. IEEE Transactions on Electron Devices, 2016, 63, 691-697.	1.6	32
97	Modeling and simulation of power electronic modules with microchannel coolers for thermo-mechanical performance. Microelectronics Reliability, 2014, 54, 2824-2835.	0.9	31
98	Tying Polarizationâ€Switchable Optical Vortex Knots and Links via Holographic Allâ€Dielectric Metasurfaces. Laser and Photonics Reviews, 2020, 14, 1900366.	4.4	31
99	Controllable oscillated spin Hall effect of Bessel beam realized by liquid crystal Pancharatnam-Berry phase elements. Light: Science and Applications, 2022, 11, .	7.7	31
100	Optical Bloch oscillations of an Airy beam in a photonic lattice with a linear transverse index gradient. Optics Express, 2014, 22, 22763.	1.7	30
101	Tensile responses of carbon nanotubes-reinforced copper nanocomposites: Molecular dynamics simulation. Computational Materials Science, 2018, 151, 273-277.	1.4	30
102	Effect of temperature and moisture on the luminescence properties of silicone filled with YAG phosphor. Journal of Semiconductors, 2011, 32, 012002.	2.0	28
103	Effects of current crowding on light extraction efficiency of conventional GaN-based light-emitting diodes. Optics Express, 2013, 21, 25381.	1.7	28
104	Optimization for warpage and residual stress due to reflow process in IGBT modules based on pre-warped substrate. Microelectronic Engineering, 2015, 136, 63-70.	1.1	28
105	A method for simultaneously measuring polarization and phase of arbitrarily polarized beams based on Pancharatnam-Berry phase. Applied Physics Letters, 2017, 110, .	1.5	28
106	Design and analysis of gyro-free inertial measurement units with different configurations. Sensors and Actuators A: Physical, 2014, 214, 175-186.	2.0	27
107	A novel MOCVD reactor for growth of high-quality GaN-related LED layers. Journal of Crystal Growth, 2015, 415, 72-77.	0.7	27
108	Theoretical prediction of a graphene-like structure of indium nitride: A promising excellent material for optoelectronics. Applied Materials Today, 2017, 7, 169-178.	2.3	27

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109	Anthropogenic disturbances on distribution and sources of pharmaceuticals and personal care products throughout the Jinsha River Basin, China. Environmental Research, 2021, 198, 110449.	3.7	27
110	Welding quality monitoring of high frequency straight seam pipe based on image feature. Journal of Materials Processing Technology, 2017, 246, 285-290.	3.1	26
111	Tailorable Morphology of Coreâ€“Shell Nanofibers with Surface Wrinkles for Enhanced Gas-Sensing Properties. ACS Applied Nano Materials, 2018, 1, 6357-6367.	2.4	26
112	Glucose-Responsive Gold Nanocluster-Loaded Microneedle Patch for Type 1 Diabetes Therapy. ACS Applied Bio Materials, 2020, 3, 8640-8649.	2.3	26
113	Mechanical degradation of graphene by epoxidation: insights from first-principles calculations. Physical Chemistry Chemical Physics, 2015, 17, 19484-19490.	1.3	25
114	Enhancing the thermal dissipation of a light-converting composite for quantum dot-based white light-emitting diodes through electrospinning nanofibers. Nanotechnology, 2017, 28, 265204.	1.3	25
115	Mapping the technology evolution path: a novel model for dynamic topic detection and tracking. Scientometrics, 2020, 125, 2043-2090.	1.6	25
116	Temperature dependence of Raman spectra of graphene on copper foil substrate. Journal of Materials Science: Materials in Electronics, 2016, 27, 3888-3893.	1.1	24
117	Valley Vortex States and Degeneracy Lifting via Photonic Higher-Band Excitation. Physical Review Letters, 2019, 122, 123903.	2.9	24
118	Tuning of Bloch modes, diffraction, and refraction by two-dimensional lattice reconfiguration. Optics Letters, 2010, 35, 892.	1.7	23
119	Nanoscale Ni/Au wire grids as transparent conductive electrodes in ultraviolet light-emitting diodes by laser direct writing. Optics and Laser Technology, 2018, 104, 112-117.	2.2	23
120	Topology optimization and heat dissipation performance analysis of a micro-channel heat sink. Meccanica, 2018, 53, 3693-3708.	1.2	23
121	High drug-loading gold nanoclusters for responsive glucose control in type 1 diabetes. Journal of Nanobiotechnology, 2019, 17, 74.	4.2	23
122	Optically induced transition between discrete and gap solitons in a nonconventionally biased photorefractive crystal. Optics Letters, 2008, 33, 878.	1.7	22
123	Design and optimization of horizontally-located plate fin heat sink for high power LED street lamps. , 2009, , .		22
124	High power InGaN/GaN flip-chip LEDs with via-hole-based two-level metallization electrodes. Physica Status Solidi (A) Applications and Materials Science, 2016, 213, 3150-3156.	0.8	22
125	Reverse leakage current characteristics of InGaN/GaN multiple quantum well ultraviolet/blue/green light-emitting diodes. Japanese Journal of Applied Physics, 2018, 57, 051003.	0.8	22
126	In-Situ Laser Polishing Additive Manufactured AlSi10Mg: Effect of Laser Polishing Strategy on Surface Morphology, Roughness and Microhardness. Materials, 2021, 14, 393.	1.3	22

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127	Incomplete Brillouin-zone spectra and controlled Bragg reflection with ionic-type photonic lattices. Physical Review A, 2010, 81, .	1.0	21
128	Modeling the Light Extraction Efficiency of Bi-Layer Phosphors in White LEDs. IEEE Photonics Technology Letters, 2013, 25, 1141-1144.	1.3	21
129	High power GaN-based LEDs with low optical loss electrode structure. Optics and Laser Technology, 2013, 54, 321-325.	2.2	21
130	A reliable Cuâ€“Sn stack bonding technology for 3D-TSV packaging. Semiconductor Science and Technology, 2014, 29, 025003.	1.0	21
131	Off-state electrical breakdown of AlGaN/GaN/Ga(Al)N HEMT heterostructure grown on Si(111). AIP Advances, 2016, 6, .	0.6	21
132	Light Efficiency Enhancement of Deep Ultraviolet Light-Emitting Diodes Packaged by Nanostructured Silica Glass. Journal of Display Technology, 2016, 12, 1106-1111.	1.3	21
133	Variation of bacterioplankton community along an urban river impacted by touristic city: With a focus on pathogen. Ecotoxicology and Environmental Safety, 2018, 165, 573-581.	2.9	21
134	Improvement in Mechanical Properties of 3Dâ€Printed PEEK Structure by Nonsolvent Vapor Annealing. Macromolecular Rapid Communications, 2022, 43, e2100874.	2.0	21
135	Transient measurement of light-emitting diode characteristic parameters for production lines. Review of Scientific Instruments, 2009, 80, 095102.	0.6	20
136	Optimized ICP etching process for fabrication of oblique GaN sidewall and its application in LED. Applied Physics A: Materials Science and Processing, 2011, 105, 369-377.	1.1	20
137	Improved light output power of LEDs with embedded air voids structure and SiO2 current blocking layer. Applied Surface Science, 2014, 305, 252-258.	3.1	20
138	Simulation of surface deformation control during selective laser melting of AlSi10Mg powder using an external magnetic field. AIP Advances, 2019, 9, 045012.	0.6	20
139	Ecological insights into the disturbances in bacterioplankton communities due to emerging organic pollutants from different anthropogenic activities along an urban river. Science of the Total Environment, 2021, 796, 148973.	3.9	20
140	Autofocusing of ring Airy beams embedded with off-axial vortex singularities. Optics Express, 2020, 28, 7953.	1.7	20
141	Stabilization and breakup of optical vortices in presence of hybrid nonlinearity. Optics Express, 2009, 17, 23130.	1.7	19
142	Ecological insights into the elevational biogeography of antibiotic resistance genes in a pristine river: Metagenomic analysis along the Yarlung Tsangpo River on the Tibetan Plateau. Environmental Pollution, 2021, 286, 117101.	3.7	19
143	Study on a magnetic spiral-type wireless capsule endoscope controlled by rotational external permanent magnet. Journal of Magnetism and Magnetic Materials, 2015, 395, 316-323.	1.0	18
144	Inverse analysis of the stressâ€“strain curve to determine the materials models of work hardening and dynamic recovery. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 636, 243-248.	2.6	18

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145	Design and analysis of a novel virtual gyroscope with multi-gyroscope and accelerometer array. Review of Scientific Instruments, 2016, 87, 085003.	0.6	18
146	Cuâ€“Ag/hydrotalcite catalysts for dehydrogenative cross-coupling of primary and secondary benzylic alcohols. RSC Advances, 2016, 6, 24164-24174.	1.7	18
147	Numerical simulation and experimental investigation of GaN-based flip-chip LEDs and top-emitting LEDs. Applied Optics, 2017, 56, 9502.	0.9	18
148	Graphene Surface Reinforcement of Iron. Nanomaterials, 2019, 9, 59.	1.9	18
149	Near-/Mid-Field Effect of Color Mixing for Single Phosphor-Converted Light-Emitting Diode Package. IEEE Photonics Technology Letters, 2013, 25, 246-249.	1.3	17
150	Thermally stable multi-color phosphor-in-glass bonded on flip-chip UV-LEDs for chromaticity-tunable WLEDs. Applied Optics, 2017, 56, 7921.	0.9	17
151	Atomic Structure and Mechanical Properties of Twisted Bilayer Graphene. Journal of Composites Science, 2019, 3, 2.	1.4	17
152	High-efficiency GaN-based LED with patterned SiO2 current blocking layer deposited on patterned ITO. Optics and Laser Technology, 2019, 109, 627-632.	2.2	17
153	Tree Frogâ€Inspired Structured Hydrogel Adhesive with Regulated Liquid. Advanced Materials Interfaces, 2021, 8, 2100528.	1.9	17
154	Effective thermal conductivity of silicone/phosphor composites. Journal of Composite Materials, 2011, 45, 2465-2473.	1.2	16
155	Effect of Dielectric Distributed Bragg Reflector on Electrical and Optical Properties of GaN-Based Flip-Chip Light-Emitting Diodes. Micromachines, 2018, 9, 650.	1.4	16
156	Revealing the Role of Sidewall Orientation in Wet Chemical Etching of GaN-Based Ultraviolet Light-Emitting Diodes. Nanomaterials, 2019, 9, 365.	1.9	16
157	The investigation of molecular beam epitaxy growth of GaN by molecular dynamics simulation. Computational Materials Science, 2020, 173, 109426.	1.4	16
158	A Novel Adaptive Recursive Least Squares Filter to Remove the Motion Artifact in Seismocardiography. Sensors, 2020, 20, 1596.	2.1	16
159	Fluidâ€“solid coupling thermo-mechanical analysis of high power LED package during thermal shock testing. Microelectronics Reliability, 2012, 52, 1726-1734.	0.9	15
160	Enhancement in light extraction of LEDs with SiO2 current blocking layer deposited on naturally textured p-GaN surface. Optics and Laser Technology, 2013, 47, 127-130.	2.2	15
161	Using a PC camera to determine the concentration of nitrite, ammonia nitrogen, sulfide, phosphate, and copper in water. Analytical Methods, 2018, 10, 2096-2101.	1.3	15
162	Defect analysis of the LED structure deposited on the sapphire substrate. Journal of Crystal Growth, 2018, 488, 1-7.	0.7	15

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163	Molecular dynamics simulation of aluminum nitride deposition: temperature and N : Al ratio effects. Royal Society Open Science, 2018, 5, 180629.	1.1	15
164	A Miniature Robotic Turtle With Target Tracking and Wireless Charging Systems Based on IPMCs. IEEE Access, 2020, 8, 187156-187164.	2.6	15
165	Crack initiation and propagation mechanism of Al2O3-DBC substrate during thermal cycling test. Engineering Failure Analysis, 2020, 116, 104720.	1.8	15
166	Analogous Optical Activity in Free Space Using a Single Pancharatnamâ€“Berry Phase Element. Laser and Photonics Reviews, 2022, 16, 2100291.	4.4	15
167	Enhancement of light extraction efficiency of multi-chips light-emitting diode array packaging with various microstructure arrays. , 2011, , .		14
168	Anomalous interactions of spatial gap solitons in optically induced photonic lattices. Optics Letters, 2011, 36, 1167.	1.7	14
169	A first-principles study of the mechanical properties of AlN with Raman verification. Computational Materials Science, 2016, 112, 342-346.	1.4	14
170	Creation of independently controllable multiple focal spots from segmented Pancharatnam-Berry phases. Scientific Reports, 2018, 8, 9831.	1.6	14
171	Monolayer Cubic Boron Nitride Terminated Diamond (111) Surfaces for Quantum Sensing and Electron Emission Applications. ACS Applied Materials & Interfaces, 2020, 12, 33336-33345.	4.0	14
172	Finite-Difference Modeling of Micromachine for Use in Gastrointestinal Endoscopy. IEEE Transactions on Biomedical Engineering, 2009, 56, 2413-2419.	2.5	13
173	Single-walled carbon nanotube network/poly composite thin film for flow sensor. Microsystem Technologies, 2010, 16, 955-959.	1.2	13
174	Enhanced luminous efficiency of phosphor-converted LEDs by using back reflector to increase reflectivity for yellow light. Applied Optics, 2014, 53, 8104.	2.1	13
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