

Jie Song

List of Publications by Year in descending order

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35
papers

827
citations

623734

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501196

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35
all docs

35
docs citations

35
times ranked

893
citing authors

#	ARTICLE	IF	CITATIONS
1	DNA hydrogel-based gene editing and drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2021, 168, 79-98.	13.7	155
2	Full-color micro-LED display with high color stability using semipolar (20-21) InGaN LEDs and quantum-dot photoresist. <i>Photonics Research</i> , 2020, 8, 630.	7.0	116
3	High-Bandwidth Green Semipolar (20-21) InGaN/GaN Micro Light-Emitting Diodes for Visible Light Communication. <i>ACS Photonics</i> , 2020, 7, 2228-2235.	6.6	99
4	Polarized monolithic white semipolar (20-21) InGaN light-emitting diodes grown on high quality (20-21) GaN/sapphire templates and its application to visible light communication. <i>Nano Energy</i> , 2020, 67, 104236.	16.0	53
5	Multi-color broadband visible light source via GaN hexagonal annular structure. <i>Scientific Reports</i> , 2014, 4, 5514.	3.3	46
6	Elimination of Stacking Faults in Semipolar GaN and Light-Emitting Diodes Grown on Sapphire. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 33140-33146.	8.0	38
7	Epitaxial Lateral Overgrowth of Nitrogen-Polar (0001̄...) GaN by Metalorganic Chemical Vapor Deposition. <i>Crystal Growth and Design</i> , 2014, 14, 2510-2515.	3.0	36
8	Semipolar (20-21) GaN and InGaN quantum wells on sapphire substrates. <i>Applied Physics Letters</i> , 2014, 104, 262105.	3.3	31
9	Evolutionary Selection Growth: Towards Template-Insensitive Preparation of Single-Crystal Layers. <i>Advanced Materials</i> , 2013, 25, 1285-1289.	21.0	30
10	Single Crystal Gallium Nitride Nanomembrane Photoconductor and Field Effect Transistor. <i>Advanced Functional Materials</i> , 2014, 24, 6503-6508.	14.9	28
11	Semipolar (20-21) GaN and InGaN Light-Emitting Diodes Grown on Sapphire. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 14088-14092.	8.0	23
12	Information processing based on DNA toehold-mediated strand displacement (TMSD) reaction. <i>Nanoscale</i> , 2021, 13, 2100-2112.	5.6	23
13	High polarization and fast modulation speed of dual wavelengths electroluminescence from semipolar (20-21) micro light-emitting diodes with indium tin oxide surface grating. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	16
14	Significantly Improved Luminescence Properties of Nitrogen-Polar (0001̄...) InGaN Multiple Quantum Wells Grown by Pulsed Metalorganic Chemical Vapor Deposition. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 273-278.	8.0	15
15	Nitrogen-Polar (0001̄) GaN Grown on c-Plane Sapphire with a High-Temperature AlN Buffer. <i>Materials</i> , 2017, 10, 252.	2.9	14
16	560-nm InGaN micro-LEDs on low-defect-density and scalable (20-21) semipolar GaN on patterned sapphire substrates. <i>Optics Express</i> , 2020, 28, 18150.	3.4	13
17	A facile and efficient approach for hypertrophic scar therapy via DNA-based transdermal drug delivery. <i>Nanoscale</i> , 2020, 12, 18682-18691.	5.6	12
18	Room-Temperature Continuous-Wave Electrically Driven Semipolar (20-21) Blue Laser Diodes Heteroepitaxially Grown on a Sapphire Substrate. <i>ACS Photonics</i> , 2020, 7, 1662-1666.	6.6	11

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19	Information Coding in a Reconfigurable DNA Origami Domino Array. <i>Angewandte Chemie</i> , 2020, 132, 13091-13097.	2.0	11
20	Growth, structural and optical properties of ternary InGaN nanorods prepared by selective-area metalorganic chemical vapor deposition. <i>Nanotechnology</i> , 2014, 25, 225602.	2.6	10
21	Monolithic RGB Micro-Light-Emitting Diodes Fabricated with Quantum Dots Embedded inside Nanoporous GaN. <i>ACS Applied Electronic Materials</i> , 2021, 3, 4877-4881.	4.3	7
22	Toward heteroepitaxially grown semipolar GaN laser diodes under electrically injected continuous-wave mode: From materials to lasers. <i>Applied Physics Reviews</i> , 2020, 7, .	11.3	7
23	Single Crystalline GaN Tiles Grown on Si (111) Substrates by Confined Lateral Guided Growth to Eliminate Wafer Bowing. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500014.	3.7	6
24	High Quality, Mass-Produced Semipolar GaN and InGaN Light-Emitting Diodes Grown on Sapphire. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900565.	1.5	6
25	Morphological and Molecular Evidence for Two New Species within <i>Russula</i> Subgenus <i>Brevipes</i> from China. <i>Diversity</i> , 2022, 14, 112.	1.7	6
26	Morphological Characters and Molecular Phylogeny Reveal Three New Species of Subgenus <i>Russula</i> from China. <i>Life</i> , 2022, 12, 480.	2.4	5
27	Analysis of channel confined selective area growth in evolutionary growth of GaN on SiO ₂ . <i>Journal of Crystal Growth</i> , 2015, 426, 95-102.	1.5	4
28	Modular Reconfigurable DNA Origami: From Two-Dimensional to Three-Dimensional Structures. <i>Angewandte Chemie</i> , 2020, 132, 23477-23482.	2.0	4
29	Improving performance of semipolar (202 ⁻¹) light emitting diodes through reduction of threading dislocations by AlGaIn/GaN superlattice interlayer. <i>Journal of Crystal Growth</i> , 2020, 536, 125575.	1.5	2
30	Semiconductors: Evolutionary Selection Growth: Towards Template-Insensitive Preparation of Single-Crystal Layers (Adv. Mater. 9/2013). <i>Advanced Materials</i> , 2013, 25, 1226-1226.	21.0	0
31	Using the Evolutionary Selection Principle in Selective Area Growth to Achieve Single-Crystalline GaN on SiO ₂ . <i>International Journal of High Speed Electronics and Systems</i> , 2014, 23, 1450003.	0.7	0
32	Nanomembranes: Single Crystal Gallium Nitride Nanomembrane Photoconductor and Field Effect Transistor (Adv. Funct. Mater. 41/2014). <i>Advanced Functional Materials</i> , 2014, 24, 6564-6564.	14.9	0
33	Green Light-Emitting Diodes with 667 MHz Modulation Bandwidth for Visible Light Communication. , 2020, , .		0
34	Spatiotemporal Control of Molecular Cascade Reactions by a Reconfigurable DNA Origami Domino Array. <i>Angewandte Chemie</i> , 0, , .	2.0	0
35	Use of electrochemistry in mini-/micro-LEDs and VCSELs. , 2022, , .		0