

Caixia Kan

List of Publications by Year in descending order

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651
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#	ARTICLE	IF	CITATIONS
1	Au tailored on g-C ₃ N ₄ /TiO ₂ heterostructure for enhanced photocatalytic performance. Journal of Alloys and Compounds, 2022, 894, 162338.	2.8	23
2	Doping Concentration Influenced Pyro-Phototronic Effect in Self-Powered Photodetector Based on Ga-Incorporated ZnO Microwire/p-GaN Heterojunction. Advanced Optical Materials, 2022, 10, 2101851.	3.6	29
3	Continuous-wave operation of electrically driven single mode microlaser. Applied Physics Letters, 2022, 120, .	1.5	8
4	Doping Concentration Influenced Pyro-Phototronic Effect in Self-Powered Photodetector Based on Ga-Incorporated ZnO Microwire/p-GaN Heterojunction (Advanced Optical Materials) Tj ETQq0 0 0.0 BT /Overlock 10 T	3.6	29
5	Synthesis of Pd nanorod arrays on Au nanoframes for excellent ethanol electrooxidation. Nanoscale, 2022, 14, 736-743.	2.8	7
6	Gold nanobipyramids doped with Au/Pd alloyed nanoclusters for high efficiency ethanol electrooxidation. Nanoscale Advances, 2022, 4, 1827-1834.	2.2	3
7	Electrically driven single microwire-based single-mode microlaser. Light: Science and Applications, 2022, 11, .	7.7	20
8	Performance-enhanced single-mode microlasers in an individual microwire covered by Ag nanowires. Optics and Laser Technology, 2022, 155, 108391.	2.2	6
9	Single microwire based smart color-switchable light-emitting diode. Optics and Lasers in Engineering, 2021, 138, 106433.	2.0	4
10	An electrically driven whispering gallery polariton microlaser. Nanoscale, 2021, 13, 5448-5459.	2.8	14
11	A single microwire near-infrared exciton-polariton light-emitting diode. Nanoscale, 2021, 13, 1663-1672.	2.8	13
12	Enhanced luminescence/photodetecting bifunctional devices based on ZnO:Ga microwire/p-Si heterojunction by incorporating Ag nanowires. Nanoscale Advances, 2021, 3, 5605-5617.	2.2	20
13	An electrically driven single microribbon based near-infrared exciton-polariton light-emitting diode. CrystEngComm, 2021, 23, 4336-4343.	1.3	1
14	Plasmon-enhanced strong exciton-polariton coupling in single microwire-based heterojunction light-emitting diodes. Optics Express, 2021, 29, 1023.	1.7	10
15	A novel deposition mechanism of Au on Ag nanostructures involving galvanic replacement and reduction reactions. Chemical Communications, 2021, 57, 8332-8335.	2.2	12
16	Synthesis of porous Au-Ag alloy nanorods with tunable plasmonic properties and intrinsic hotspots for surface-enhanced Raman scattering. CrystEngComm, 2021, 23, 3467-3476.	1.3	6
17	PET/Ag NW/PMMA transparent electromagnetic interference shielding films with high stability and flexibility. Nanoscale, 2021, 13, 8067-8076.	2.8	40
18	Au nanobipyramids with Pt decoration enveloped in TiO ₂ nanoboxes for photocatalytic reactions. Nanoscale Advances, 2021, 3, 4226-4234.	2.2	7

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19	Plasmon-enabled spectrally narrow ultraviolet luminescence device using Pt nanoparticles covered one microwire-based heterojunction. Optics Express, 2021, 29, 21783.	1.7	8
20	Plasmonic enhancement of current-driven whispering gallery polariton device of single microwire based heterojunction via Rh nanocubes deposition. Journal of Luminescence, 2021, 235, 118016.	1.5	7
21	Photocurrent enhancement of Al _x Ga _{1-x} N nanowire arrays photodetector based on coupling effects of pn junction and gradient component. Nanotechnology, 2021, 32, 385708.	1.3	1
22	Dynamic regulating of lasing mode in a whispering-gallery microresonator by thermo-optic effect. Applied Physics Letters, 2021, 119, .	1.5	4
23	10.1063/5.0062761.1. , 2021, , .		0
24	Self-powered ultraviolet photodetector based on an n-ZnO:Ga microwire/p-Si heterojunction with the performance enhanced by a pyro-phototronic effect. Optics Express, 2021, 29, 30244.	1.7	20
25	Higher-performance Fabry-Perot microlaser enabled by a quadrilateral microwire via Ag nanowires decoration. Optical Materials, 2021, 120, 111419.	1.7	3
26	Wavelength-Tunable Green Light Sources Based on ZnO:Ga Nanowire/p-InGaN Heterojunctions. ACS Applied Nano Materials, 2021, 4, 11168-11179.	2.4	9
27	Pt nanoparticles utilized as efficient ultraviolet plasmons for enhancing whispering gallery mode lasing of a ZnO microwire via Ga-incorporation. Physical Chemistry Chemical Physics, 2021, 23, 6438-6447.	1.3	9
28	Continuous-wave operation of an electrically pumped single microribbon based Fabry-Perot microlaser. Optics Express, 2021, 29, 983.	1.7	4
29	Bifunctional ultraviolet light-emitting/detecting device based on a SnO ₂ microwire/p-GaN heterojunction. Photonics Research, 2021, 9, 2475.	3.4	13
30	The synthesis of silver nanowires with tunable diameters using halide ions for flexible transparent conductive films. CrystEngComm, 2020, 22, 8421-8429.	1.3	10
31	Gold nanobipyramid-embedded silver-platinum hollow nanostructures for monitoring stepwise reduction and oxidation reactions. Nanoscale, 2020, 12, 23663-23672.	2.8	13
32	Vertically-aligned ZnO microrod for high-brightness light source. CrystEngComm, 2020, 22, 6453-6464.	1.3	1
33	Plasmon-enhanced high-performance Si-based light sources by incorporating alloyed Au and Ag nanorods. CrystEngComm, 2020, 22, 6106-6115.	1.3	8
34	Silver Nanowires Deposited on Cellulose Nanofibers/Graphene Oxide Hybrid Membranes as Sandwich-Structured Films for Optoelectronic and SERS Applications. ACS Applied Nano Materials, 2020, 3, 10844-10854.	2.4	14
35	Employing rhodium tripod stars for ultraviolet plasmon enhanced Fabry-Perot mode lasing. CrystEngComm, 2020, 22, 5578-5586.	1.3	11
36	Highly efficient and stable transparent electromagnetic interference shielding films based on silver nanowires. Nanoscale, 2020, 12, 14589-14597.	2.8	78

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37	Perovskite Transparent Conducting Oxide for the Design of a Transparent, Flexible, and Self-Powered Perovskite Photodetector. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 16462-16468.	4.0	52
38	Dielectric function modelling and sensitivity forecast for Au@Ag alloy nanostructures. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 14932-14940.	1.3	8
39	Hot electron injection induced electron-hole plasma lasing in a single microwire covered by large size Ag nanoparticles. <i>CrystEngComm</i> , 2020, 22, 4393-4403.	1.3	7
40	Gold nanobipyramid-embedded ultrathin metal nanoframes for <i>in situ</i> monitoring catalytic reactions. <i>Chemical Science</i> , 2020, 11, 3198-3207.	3.7	35
41	Hybrid quadrupole plasmon induced spectrally pure ultraviolet emission from a single AgNPs@ZnO:Ga microwire based heterojunction diode. <i>Nanoscale Advances</i> , 2020, 2, 1340-1351.	2.2	27
42	Tailoring the electroluminescence of a single microwire based heterojunction diode using Ag nanowires deposition. <i>CrystEngComm</i> , 2020, 22, 2227-2237.	1.3	15
43	Gold nanobipyramid enveloped in alloyed nanoshell for stable plasmonic sensors. <i>Journal Physics D: Applied Physics</i> , 2020, 53, 295303.	1.3	4
44	Realization of red plasmon shifts by the selective etching of Ag nanorods. <i>CrystEngComm</i> , 2020, 22, 7870-7876.	1.3	8
45	High performance lasing in a single ZnO microwire using Rh nanocubes. <i>Optics Express</i> , 2020, 28, 20920.	1.7	11
46	Nonequilibrium hot-electron-induced wavelength-tunable incandescent-type light sources. <i>Photonics Research</i> , 2020, 8, 91.	3.4	27
47	Microcrystal modulated exciton-polariton emissions from single ZnO@ZnO:Ga microwire. <i>Photonics Research</i> , 2020, 8, 175.	3.4	22
48	Construction of silica-encapsulated gold-silver core-shell nanorod: Atomic facets enrichment and plasmon enhanced catalytic activity with high stability and reusability. <i>Materials and Design</i> , 2019, 177, 107837.	3.3	21
49	Fabrication of Stable and Flexible Nanocomposite Membranes Comprised of Cellulose Nanofibers and Graphene Oxide for Nanofluidic Ion Transport. <i>ACS Applied Nano Materials</i> , 2019, 2, 4193-4202.	2.4	25
50	Optical and electrical properties of (111)-oriented epitaxial SrVO ₃ thin films. <i>Ceramics International</i> , 2019, 45, 11304-11308.	2.3	7
51	Wavelength-Tunable Waveguide Emissions from Electrically Driven Single ZnO/ZnO:Ga Superlattice Microwires. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 11800-11811.	4.0	37
52	Facile synthesized ZnO microcrystals for random microlasers and incandescent-type light sources. <i>CrystEngComm</i> , 2019, 21, 6772-6783.	1.3	6
53	Fluorescent incandescent light sources from individual quadrilateral ZnO microwire via Ga-incorporation. <i>Optics Express</i> , 2019, 27, 33298.	1.7	16
54	Alloyed Au-Ag nanorods with desired plasmonic properties and stability in harsh environments. <i>Photonics Research</i> , 2019, 7, 558.	3.4	37

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55	Synthesis of high-purity silver nanorods with tunable plasmonic properties and sensor behavior. Photonics Research, 2017, 5, 27.	3.4	27
56	Split resonance modes of a AuBRC plasmonic nanosystem caused by the coupling effect. Journal Physics D: Applied Physics, 2016, 49, 505103.	1.3	2
57	Heat generation and stability of a plasmonic nanogold system. Journal Physics D: Applied Physics, 2016, 49, 055302.	1.3	14