

Weidong Wu

List of Publications by Year in descending order

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61
papers

836
citations

567281

15
h-index

526287

27
g-index

61
all docs

61
docs citations

61
times ranked

1105
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of Polymer Composite Fibers Embedding Ultra-Long Micro/Nanowires. <i>Nanomaterials</i> , 2021, 11, 939.	4.1	1
2	Controllable fabrication of a super broadband antireflection film: Gd: MgO nanoparticles composite film by pulsed laser deposition method. <i>Vacuum</i> , 2021, 190, 110310.	3.5	2
3	Optical and electrical properties of Ag:Cu ₂ O nanocomposite films prepared by pulse laser deposition. <i>Materials Chemistry and Physics</i> , 2020, 241, 122399.	4.0	7
4	The structural evolution in the growth process of FePt embedded in MgO matrix. <i>Journal of Materials Science</i> , 2020, 55, 12305-12313.	3.7	0
5	Quadratic Meta-Reflectors Made of HfO ₂ Nanopillars with a Large Field of View at Infrared Wavelengths. <i>Nanomaterials</i> , 2020, 10, 1148.	4.1	6
6	Planar Hall effect in PtSe ₂ . <i>Journal of Applied Physics</i> , 2020, 127, 054306.	2.5	17
7	Distributed feedback 2.5-terahertz quantum cascade laser with high-power and single-mode emission. <i>Optical Engineering</i> , 2020, 59, 1.	1.0	1
8	The Investigation of a SAW Oxygen Gas Sensor Operated at Room Temperature, Based on Nanostructured Zn _x FeyO Films. <i>Sensors</i> , 2019, 19, 3025.	3.8	15
9	Pulsed laser deposition of monolayer and bilayer graphene. <i>Applied Surface Science</i> , 2019, 494, 651-658.	6.1	14
10	Thickness dependence of microstructure and properties in Be ₂ C coatings as a promising ablation material. <i>Matter and Radiation at Extremes</i> , 2019, 4, .	3.9	6
11	Realization of Tunable Localized Surface Plasmon Resonance of Cu@Cu ₂ O Core-Shell Nanoparticles by the Pulse Laser Deposition Method. <i>ACS Omega</i> , 2019, 4, 14404-14410.	3.5	11
12	Unique Schrödinger semimetal state in ternary Be ₂ P ₃ N honeycomb lattice. <i>Journal of Materials Chemistry C</i> , 2019, 7, 4118-4123.	5.5	8
13	Seeded growth of bulk ZnO crystals in a horizontal tubular furnace. <i>CrystEngComm</i> , 2019, 21, 1288-1292.	2.6	5
14	A Controllability Investigation of Magnetic Properties for FePt Alloy Nanocomposite Thin Films. <i>Nanomaterials</i> , 2019, 9, 53.	4.1	2
15	The Investigation of High-Temperature SAW Oxygen Sensor Based on ZnO Films. <i>Materials</i> , 2019, 12, 1235.	2.9	8
16	Unique Zigzag-Shaped Buckling Zn ₂ C Monolayer with Strain-Tunable Band Gap and Negative Poisson Ratio. <i>Inorganic Chemistry</i> , 2018, 57, 1958-1963.	4.0	22
17	A novel superconducting magnetic levitation method to support the laser fusion capsule by using permanent magnets. <i>Matter and Radiation at Extremes</i> , 2018, 3, 104-109.	3.9	6
18	Quantum interference magnetoconductance of polycrystalline germanium films in the variable-range hopping regime. <i>Philosophical Magazine</i> , 2018, 98, 1525-1536.	1.6	5

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19	Splitting of the ultraviolet plasmon resonance from controlling FePt nanoparticles morphology. Applied Surface Science, 2018, 435, 1-6.	6.1	15
20	Tailoring the Grain Size of Bi-Layer Graphene by Pulsed Laser Deposition. Nanomaterials, 2018, 8, 885.	4.1	8
21	Surface Morphology Study of Chemical Vapor Transport of ZnO Crystals. Scanning, 2018, 2018, 1-7.	1.5	4
22	Investigation on Target Erosion and Effect of Deposition Rate on Microstructure and Properties of Sputtered Be Coating. Journal of Materials Engineering and Performance, 2018, 27, 4043-4049.	2.5	3
23	Effects of C60 on the Glass Transition Temperature of Carbazole-based Photorefractive Polyphosphazenes. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 974-979.	1.0	0
24	Effects of Strain Rate and Texture on the Tensile Behavior of Pre-strained NiCr Microwires. Journal Wuhan University of Technology, Materials Science Edition, 2018, 33, 459-465.	1.0	1
25	Low-loss polarization-maintaining terahertz fiber based on central air hole movements. Optical Engineering, 2018, 57, 1.	1.0	1
26	Al-doped graphene as an effective adsorber for some toxic derivatives of aromatic hydrocarbons. Journal of Theoretical and Computational Chemistry, 2017, 16, 1750004.	1.8	5
27	An investigation progress toward Be-based ablator materials for the inertial confinement fusion. High Power Laser Science and Engineering, 2017, 5, .	4.6	7
28	Photon-Induced Light Emission from Foamed Gold with Micro/Nanohollow Sphere Structures. ACS Omega, 2017, 2, 5759-5765.	3.5	4
29	Linear magnetoresistance in gold foams. RSC Advances, 2017, 7, 26434-26439.	3.6	2
30	Non-destructive evaluation of UV pulse laser-induced damage performance of fused silica optics. Scientific Reports, 2017, 7, 16239.	3.3	18
31	High-power terahertz quantum cascade lasers with ≈ 40.23 W in continuous wave mode. AIP Advances, 2016, 6, .	1.3	56
32	Design of Highly Birefringent and Low-Loss Oligoporous-Core THz Photonic Crystal Fiber With Single Circular Air-Hole Unit. IEEE Photonics Journal, 2016, 8, 1-11.	2.0	28
33	Enhanced quantum interference transport in gold films with random antidot arrays. AIP Advances, 2016, 6, 095213.	1.3	1
34	Influence of CH ₄ /Ar ratios on the composition, microstructure and optical properties of Be ₂ C films synthesized by DC reactive magnetron sputtering. RSC Advances, 2016, 6, 39444-39451.	3.6	4
35	Carbazole-based bi-functional photorefractive polyphosphazene for correcting the laser wavefront distortion. Polymer Science - Series A, 2016, 58, 535-540.	1.0	0
36	Advanced Mitigation Process (AMP) for Improving Laser Damage Threshold of Fused Silica Optics. Scientific Reports, 2016, 6, 31111.	3.3	37

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37	Three-Dimensional Macroassembly of Sandwich-Like, Hierarchical, Porous Carbon/Graphene Nanosheets towards Ultralight, Superhigh Surface Area, Multifunctional Aerogels. Chemistry - A European Journal, 2016, 22, 2515-2524.	3.3	59
38	Facile fabrication of ultra-low density, high-surface-area, broadband antireflective carbon aerogels as ultra-black materials. Journal of Porous Materials, 2016, 23, 1217-1225.	2.6	25
39	Photoelectron transport tuning of self-assembled subbands. Nanoscale, 2016, 8, 4628-4634.	5.6	7
40	Formation of broadband antireflective and superhydrophilic subwavelength structures on fused silica using one-step self-masking reactive ion etching. Scientific Reports, 2015, 5, 13023.	3.3	52
41	Cavity quantum electrodynamics with ferromagnetic magnons in a small yttrium-iron-garnet sphere. Npj Quantum Information, 2015, 1, .	6.7	204
42	Epitaxial growth of graphene thin film by pulsed laser deposition. Micro and Nano Letters, 2015, 10, 649-652.	1.3	5
43	Growth of erbium dihydride films under low hydrogen pressure by pulsed laser deposition. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 33-36.	1.0	0
44	Laser-Induced Point Defects in Fused Silica Irradiated by UV Laser in Vacuum. Advances in Condensed Matter Physics, 2014, 2014, 1-7.	1.1	7
45	Fabrication of Graphene-Based Nanostructured Thin Films with Mid-Infrared Photoresponse Properties. International Journal of Nanoscience, 2014, 13, 1460008.	0.7	2
46	The collimation of intense relativistic electron beams generated by ultra-intense femtosecond laser in nanometer-scale solid fiber array. Applied Physics Letters, 2014, 104, 083520.	3.3	1
47	Low temperature and hydrogen atmosphere synthesis of crystalline LiBH_4 and amorphous $\text{Li}_2\text{B}_{12}\text{H}_{12}$ mixture for hydrogen storage. International Journal of Energy Research, 2014, 38, 254-258.	4.5	9
48	Fabrication of silver nanosheets on quartz glass substrates through electroless plating approach. Applied Physics A: Materials Science and Processing, 2014, 114, 485-493.	2.3	18
49	Controllable synthesis of plasmonic ZnO/Au core/shell nanocable arrays on ITO glass. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 56, 59-63.	2.7	5
50	Template-dealloying synthesis of ultralow density Au foams with bimodal porous structure. RSC Advances, 2014, 4, 7196.	3.6	24
51	Self-Organized Ag Nanorings Antenna Substrates for Surface-Enhanced Raman Spectroscopy. Plasmonics, 2014, 9, 375-379.	3.4	11
52	Sensitive optical switch based on Bi_2S_3 single nanowire and nanowire film. Journal of Alloys and Compounds, 2014, 612, 301-305.	5.5	16
53	Production of collimated MeV electron beam in carbon nanotube array irradiated by super-intense femtosecond laser. Carbon, 2013, 65, 28-34.	10.3	2
54	Grand canonical Monte Carlo simulation for hydrogen uptakes based on nanoporous NaBH_4 . Science China: Physics, Mechanics and Astronomy, 2013, 56, 1525-1532.	5.1	0

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55	Silver nanoplates: controlled preparation, self-assembly, and applications in surface-enhanced Raman scattering. Applied Physics A: Materials Science and Processing, 2013, 110, 335-342.	2.3	24
56	Thickness dependence of the initial oxidation behaviors of Gd films grown on Si by laser molecular beam epitaxy. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 191-194.	1.0	1
57	The micro-structural studies of Ni-BaTiO ₃ nanocomposite films by TEM and EELS. Journal Wuhan University of Technology, Materials Science Edition, 2011, 26, 897-901.	1.0	2
58	Theoretical study on the interaction between C ₃ molecular wires and nanotubes. Physica Status Solidi (B): Basic Research, 2011, 248, 1464-1470.	1.5	0
59	Structural and optical properties of Fe-doped hydrogenated amorphous carbon films prepared from trans-2-butene by plasma enhanced metal organic chemical vapor deposition. Applied Physics A: Materials Science and Processing, 2010, 98, 895-900.	2.3	6
60	Efficient generation and transportation of energetic electrons in a carbon nanotube array target. Applied Physics Letters, 2010, 96, .	3.3	26
61	Trimetallic PtTiMg Alloy Nanoparticles with High Activity for Efficient Electrocatalytic Ethanol Oxidation. Catalysis Surveys From Asia, 0, , 1.	2.6	0