

Feng Wen

List of Publications by Year in descending order

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57
papers

580
citations

687363

13
h-index

677142

22
g-index

58
all docs

58
docs citations

58
times ranked

803
citing authors

#	ARTICLE	IF	CITATIONS
1	Mussel-Inspired One-Step Adherent Coating Rich in Amine Groups for Covalent Immobilization of Heparin: Hemocompatibility, Growth Behaviors of Vascular Cells, and Tissue Response. ACS Applied Materials & Interfaces, 2014, 6, 14608-14620.	8.0	115
2	Carbon-Induced Generation of Hierarchical Structured Ni _{0.75} Co _{0.25} (CO ₃) _{0.125} (OH) ₂ for Enhanced Supercapacitor Performance. ACS Applied Materials & Interfaces, 2017, 9, 44441-44451.	8.0	39
3	Synthesis of nitrogen incorporated carbon films by plasma immersion ion implantation and deposition. Surface and Coatings Technology, 2004, 186, 118-124.	4.8	31
4	Effect of sputtering pressure on the surface topography, structure, wettability and tribological performance of DLC films coated on rubber by magnetron sputtering. Surface and Coatings Technology, 2019, 365, 33-40.	4.8	29
5	Structure and composition study of carbon-doped titanium oxide film combined with first principles. Journal of Advanced Ceramics, 2014, 3, 49-55.	17.4	28
6	Normally Off Hydrogen-Terminated Diamond Field-Effect Transistor With Ti/TiO _x Gate Materials. IEEE Transactions on Electron Devices, 2020, 67, 4784-4788.	3.0	28
7	Progress in Research of Corrosion and Protection by Sulfate-Reducing Bacteria. Procedia Environmental Sciences, 2011, 10, 1177-1182.	1.4	26
8	Removal of radiocobalt ions from aqueous solutions by natural halloysite nanotubes. Journal of Radioanalytical and Nuclear Chemistry, 2013, 295, 431-438.	1.5	23
9	On the S/W stoichiometry and triboperformance of WS _x C(H) coatings deposited by magnetron sputtering. Surface and Coatings Technology, 2019, 365, 41-51.	4.8	20
10	On the adhesion and wear resistance of DLC films deposited on nitrile butadiene rubber: A Ti-C interlayer. Diamond and Related Materials, 2020, 101, 107563.	3.9	20
11	Effect of bias voltage on the tribological and sealing properties of rubber seals modified by DLC films. Surface and Coatings Technology, 2019, 360, 391-399.	4.8	18
12	Temperature-Adaptive Ultralubricity of a WS ₂ /a-C Nanocomposite Coating: Performance from Room Temperature up to 500 Å°C. ACS Applied Materials & Interfaces, 2021, 13, 28843-28854.	8.0	17
13	The influence of the hole transport layers on the performance of blue and color tunable quantum dot light-emitting diodes. Journal of the Society for Information Display, 2018, 26, 470-476.	2.1	16
14	Instant WS ₂ platelets reorientation of self-adaptive WS ₂ /a-C tribocoating. Materials Letters, 2018, 229, 64-67.	2.6	13
15	Ultra-strong nanographite bulks based on a unique carbon nanotube linked graphite onions structure. Carbon, 2019, 149, 436-444.	10.3	12
16	From understanding the formation mechanism to enhanced supercapacitor performance of VSB-5 with a hierarchical structure. Journal of Materials Chemistry A, 2017, 5, 16898-16906.	10.3	11
17	Multilevel power transfer function characterization of nonlinear optical loop mirror. , 2017, . ,		11
18	Carbon-Doped Titanium Oxide Films by DC Reactive Magnetron Sputtering Using CO ₂ and O ₂ as Reactive Gas. Acta Metallurgica Sinica (English Letters), 2014, 27, 239-244.	2.9	9

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19	Investigation of Exciton Recombination Zone in Quantum Dot Light-Emitting Diodes Using a Fluorescent Probe. ACS Applied Materials & Interfaces, 2017, 9, 27809-27816.	8.0	8
20	Mechanism Analysis of Dynamic On-State Resistance Degradation for a Commercial GaN HEMT Using Double Pulse Test. Electronics (Switzerland), 2021, 10, 1202.	3.1	8
21	Flexible Perovskite Solar Cells with Enhanced Performance Based on a Void-Free Imbedded Interface via a Thin Layer of Mesoporous TiO ₂ . ACS Applied Energy Materials, 2022, 5, 2242-2251.	5.1	8
22	EFFECTS OF ANNEALING ON THE COMPOSITION, STRUCTURE AND PHOTOCATALYTIC PROPERTIES OF C-DOPED TITANIA FILMS DEPOSITED BY REACTIVE MAGNETRON SPUTTERING USING CO ₂ AS CARBON SOURCE. Surface Review and Letters, 2019, 26, 1950036.	1.1	7
23	Controlling synthesis of Ti ⁺ O/Ti ⁺ N gradient films by PIII. Surface and Coatings Technology, 2002, 156, 208-213.	4.8	6
24	The study of composition, structure, mechanical properties and platelet adhesion of Ti ⁺ O/TiN gradient films prepared by metal plasma immersion ion implantation and deposition. Nuclear Instruments & Methods in Physics Research B, 2004, 222, 81-90.	1.4	6
25	Effects of Negative Bias Voltage on Structure and Mechanical Properties of DLC Films Synthesized by FCVA Deposition. Advanced Materials Research, 0, 287-290, 2203-2206.	0.3	6
26	Research of composition and photocatalytic property of carbon-doped Ti-O films prepared by R-MS using CO ₂ gas resource. Nuclear Instruments & Methods in Physics Research B, 2013, 307, 381-384.	1.4	6
27	Ohmic Contact of Pt/Au on Hydrogen-Terminated Single Crystal Diamond. Coatings, 2019, 9, 539.	2.6	6
28	On the Self-Repair of WS ₂ /a-C Tribocoating. Advanced Materials Interfaces, 2020, 7, 1900938.	3.7	6
29	Preparation and comparison study of hydroxyapatite and Eu-hydroxyapatite. Frontiers of Materials Science in China, 2009, 3, 255-258.	0.5	5
30	One-pot synthesis of ICG&Cur@ZIF& nanocomposites with pH-controlled drug delivery and good photothermal performance. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2022, 648, .	1.2	5
31	Large <i>V_{TH}</i> of Normally-OFF Field Effect Transistor With Yttrium Gate Material Directly Deposited on Hydrogen-Terminated Diamond. IEEE Transactions on Electron Devices, 2022, 69, 3563-3567.	3.0	5
32	Study on wettabilities and platelet adhesion behavior of C:H and C:N:H films prepared by DC-MFCVA. Applied Surface Science, 2008, 255, 469-472.	6.1	4
33	On Studying Surface and Nanomechanical Properties of Ti-O Films by Alkali Treatment. Applied Mechanics and Materials, 0, 138-139, 821-825.	0.2	4
34	Optimum Design of Reactive Sputtering Parameters on the Mechanical Property of C-Doped TiO ₂ ; Photocatalytic Films: CO ₂ as Carbon Source. Key Engineering Materials, 0, 807, 41-49.	0.4	4
35	Nanocone Structures Enhancing Nitrogen-Vacancy Center Emissions in Diamonds. Coatings, 2020, 10, 513.	2.6	3
36	Platelet Adhesion Study and Characteristic of Hydrogenated Carbon Films Synthesized by PIII-D. Key Engineering Materials, 2005, 288-289, 323-326.	0.4	2

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37	Studies of the composition, mechanical and electrical properties of N-doped carbon films prepared by DC-MFCAD. Nuclear Instruments & Methods in Physics Research B, 2006, 242, 324-327.	1.4	2
38	Preparation of TiO ₂ Films on Quartz Glass Plate and Its Study of Photocatalytic Properties in Ultrasound. Advanced Materials Research, 0, 284-286, 970-973.	0.3	2
39	FWM Dynamics Under Dual-Pump Thermal Behavior in Silicon Microring Resonator. IEEE Photonics Journal, 2015, 7, 1-7.	2.0	2
40	The study of composition and surface electron structure of nitrogen-doped DLC film prepared by PIII-D. Functional Materials Letters, 2015, 08, 1540015.	1.2	2
41	The Investigation of Microstructure, Photocatalysis and Corrosion Resistance of C-Doped TiO ₂ Films Fabricated by Reactive Magnetron Sputtering Deposition with CO ₂ Gas. Coatings, 2021, 11, 881.	2.6	2
42	Transmission Performance and Noise Suppression in a Two-mode Fiber (TMF) Channel. , 2021, , .		2
43	Mode-Coupling Induced Crosstalk Optimization in a Graded-Index Six-Mode Fiber. IEEE Photonics Journal, 2022, 14, 1-8.	2.0	2
44	All-optical multilevel regeneration in nonlinear optical loop mirror. , 2017, , .		1
45	The Study of Surface Energy, Electrical Properties and Platelet Adhesion Behavior of a-C/a-CN Films Synthesized by PIII-D. Key Engineering Materials, 2007, 330-332, 573-576.	0.4	0
46	Studying Effects of Bias Voltage on Properties, Wettability and Platelet Adhered Behavior of DLC Films Prepared By DC-MFCVAD. Key Engineering Materials, 2007, 353-358, 2203-2206.	0.4	0
47	The Synthesis and Initial Studying Anticoagulant Property of O-Doped DLC Films by DC-MFCVAD. Key Engineering Materials, 2007, 330-332, 873-876.	0.4	0
48	Technical and Structure Study of Coprecipitation Method for Nano-Titanium Dioxide. Advanced Materials Research, 0, 418-420, 827-830.	0.3	0
49	Degradation of Methyl Orange by Magnetic Metal Doped TiO ₂ Films in a Magnetic Field. Advanced Materials Research, 0, 622-623, 1730-1733.	0.3	0
50	Research Advances of Element-Doped Nanocrystalline Titanium Dioxide Thin Films. Advanced Materials Research, 2012, 476-478, 1851-1854.	0.3	0
51	Four-Wave-Mixing-Based Multi-Channel 2R Regenerator with Dispersion Compensation. , 2012, , .		0
52	Synthesis, Characterization, and Gas-Sensing for Trimethylamine of Mesoporous Ni-Doped Indium Oxide. Advanced Materials Research, 2012, 476-478, 1264-1267.	0.3	0
53	Multilevel Amplitude Regeneration of PAM-4 Signals using a Nonlinear Optical Loop Mirror. , 2017, , .		0
54	A strategy to coat a wavy 3D film on glass surface for enhancing the interface adhesion. Materials Letters, 2018, 215, 305-307.	2.6	0

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55	Flat Power Response in a Polarization-Maintaining Coupler Based Nonlinear-Optical Loop Mirror (PMC-NOLM). , 2020, , .		0
56	Effect of titanium suboxide on the formation of anatase and rutile phases during annealing of C-Doped TiO ₂ thin film deposited by DC magnetron sputtering. Functional Materials Letters, 2020, 13, 2051021.	1.2	0
57	HfAlO _x /Al ₂ O ₃ Bilayer Dielectrics for a Field Effect Transistor on a Hydrogen-Terminated Diamond. Materials, 2022, 15, 446.	2.9	0