

Qiang Wei

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

1,292
citations

471509

17
h-index

361022

35
g-index

62
all docs

62
docs citations

62
times ranked

1653
citing authors

#	ARTICLE	IF	CITATIONS
1	Modification and verification of Miedema model for predicating thermodynamic properties of binary precipitates in multi-element alloys. <i>Physica B: Condensed Matter</i> , 2022, 627, 413540.	2.7	8
2	Asynchronous Synergistic Damage Effect of Atomic Oxygen and Space Micro Debris on Kapton Film. <i>Coatings</i> , 2022, 12, 179.	2.6	5
3	Electrical Characteristics of Diamond MOSFET with 2DHG on a Heteroepitaxial Diamond Substrate. <i>Materials</i> , 2022, 15, 2557.	2.9	1
4	Mechanical Properties Evolution and Damage Mechanism of Kevlar Fiber under Ozone Exposure in Near-Space Simulation. <i>Coatings</i> , 2022, 12, 584.	2.6	1
5	Effects of umbilical cord mesenchymal stem cells loaded with graphene oxide granular lubrication on cytokine levels in animal models of knee osteoarthritis. <i>International Orthopaedics</i> , 2021, 45, 381-390.	1.9	12
6	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS ₂ . <i>Journal of Colloid and Interface Science</i> , 2021, 582, 591-597.	9.4	29
7	Effect of strain rate on microscale formability and microstructural evolution of TA1 foil. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141338.	5.6	4
8	Atomic oxygen effect of Zr-Al-C coatings on ZrNb alloys used in space environment. <i>Applied Surface Science</i> , 2021, 564, 150420.	6.1	9
9	Zr ₂ Al ₃ C ₄ Coatings on Zirconium-alloy Substrates with Enhanced Adhesion and Diffusion Barriers by Al/Mo-C Interlayers. <i>Wuji Cailiao Xuebao/Journal of Inorganic Materials</i> , 2021, 36, 541.	1.3	1
10	Thermal Error Model of Linear Motor Feed System Based on Bayesian Neural Network. <i>IEEE Access</i> , 2021, 9, 112561-112572.	4.2	2
11	The Mechanical Effect of MnO ₂ Layers on Electrochemical Actuation Performance of Nanoporous Gold. <i>Nanomaterials</i> , 2020, 10, 2056.	4.1	12
12	Nano-Patterns of Photoresist Fabricated by Ultraviolet Lithography Technology. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 2508-2513.	0.9	0
13	ZrB ₂ -Based "Brick-and-Mortar" Composites Achieving the Synergy of Superior Damage Tolerance and Ablation Resistance. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33246-33255.	8.0	38
14	Nanocone Structures Enhancing Nitrogen-Vacancy Center Emissions in Diamonds. <i>Coatings</i> , 2020, 10, 513.	2.6	3
15	Viscoplastic constitutive equations for modeling fluid loading and damage evolution during warm medium forming. <i>Engineering Fracture Mechanics</i> , 2020, 235, 107154.	4.3	6
16	Flexible Composite Carbon Films Prepared by a Pancake-Making Method for Electromagnetic Interference Shielding. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901815.	3.7	29
17	Atomic Oxygen Adaptability of Flexible Kapton/Al ₂ O ₃ Composite Thin Films Prepared by Ion Exchange Method. <i>Coatings</i> , 2019, 9, 624.	2.6	12
18	Effects of Zr Addition on Thermodynamic and Kinetic Properties of Liquid Mg-6Zn-xZr Alloys. <i>Metals</i> , 2019, 9, 607.	2.3	6

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19	Restoration Effect and Tribological Behavior of Hyaluronic Acid Reinforced with Graphene Oxide in Osteoarthritis. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 91-97.	0.9	11
20	Synthesis of Zr ₂ Al ₃ C ₄ coatings on zirconium-alloy substrates with Al C/Si interlayers as diffusion barriers. <i>Vacuum</i> , 2019, 160, 128-132.	3.5	5
21	Preparation and Photocatalytic Activities of Black TiO ₂ in Vacuum and Ambient Temperature Environment. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 81-90.	0.9	4
22	Enantioselective Construction of Bridgehead Quaternary Carbon Containing Bicyclo[3.3.1]nonanes by Palladium-Catalyzed Asymmetric Arylation. <i>Synthesis</i> , 2018, 50, 1661-1666.	2.3	11
23	Dipyridylbenzene as a charming sensitizer to significantly enhance the photocatalytic activity of titanium dioxide. <i>Applied Catalysis B: Environmental</i> , 2018, 232, 472-480.	20.2	13
24	Effects and mechanism on Kapton film under ozone exposure in a ground near space simulator. <i>Applied Surface Science</i> , 2018, 440, 1083-1090.	6.1	8
25	A WO ₃ nanorod-Cr ₂ O ₃ nanoparticle composite for selective gas sensing of 2-butanone. <i>Chinese Chemical Letters</i> , 2018, 29, 538-542.	9.0	43
26	BiVO ₄ quantum dot-decorated BiPO ₄ nanorods OD/1D heterojunction for enhanced visible-light-driven photocatalysis. <i>Dalton Transactions</i> , 2018, 47, 10288-10298.	3.3	37
27	Formation and evolution of black silicon microcolumns with array distribution after IR nanosecond-pulsed laser ablation. <i>Ferroelectrics</i> , 2018, 528, 51-57.	0.6	2
28	Photocascade Catalysis: A New Strategy for Cascade Reactions. <i>ChemPhotoChem</i> , 2017, 1, 148-158.	3.0	127
29	A nanostructured Cr ₂ O ₃ /WO ₃ p-n junction sensor for highly sensitive detection of butanone. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 12056-12062.	2.2	19
30	One-step hydrothermal method to synthesize Bi/Bi ₂ MoO ₆ composite for photoelectric catalyst. <i>Functional Materials Letters</i> , 2017, 10, 1750053.	1.2	2
31	Effect of Projectile Shape and Velocity on Crater Damage. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2017, , 329-336.	0.3	1
32	Catalytic N-radical cascade reaction of hydrazones by oxidative deprotonation electron transfer and TEMPO mediation. <i>Nature Communications</i> , 2016, 7, 11188.	12.8	196
33	Synthesis and properties of morphology controllable copper sulphide nanosheets for supercapacitor application. <i>Electrochimica Acta</i> , 2016, 211, 891-899.	5.2	84
34	Catalytic Asymmetric Cycloaddition of In Situ-Generated ortho-Quinone Methides and Azlactones by a Triple Brønsted Acid Activation Strategy. <i>Chemistry - A European Journal</i> , 2016, 22, 6774-6778.	3.3	74
35	Hydrophobic ZnO-TiO ₂ Nanocomposite with Photocatalytic Promoting Self-Cleaning Surface. <i>International Journal of Photoenergy</i> , 2015, 2015, 1-6.	2.5	12
36	Hardness and optical gap enhancement of germanium carbon films by nitrogen incorporation. <i>Thin Solid Films</i> , 2015, 584, 208-213.	1.8	5

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37	Negative effect of vacancies on cubic symmetry, hardness and conductivity in hafnium nitride films. Scripta Materialia, 2015, 108, 141-146.	5.2	25
38	Photocatalytic Radical Trifluoromethylation/Cyclization Cascade: Synthesis of CF ₃ -Containing Pyrazolines and Isoxazolines. Organic Letters, 2015, 17, 4464-4467.	4.6	184
39	Dynamic Osteosynthesis from Stiff to Biological Fixation with Graded Moduli Multilayer Coatings on Magnesium Implant. Nanoscience and Nanotechnology Letters, 2015, 7, 209-214.	0.4	0
40	Impact effects on fused quartz glass by ground simulating hypervelocity space debris. Science China Technological Sciences, 2013, 56, 724-731.	4.0	5
41	Intramedullary Nail versus Dynamic Compression Plate Fixation in Treating Humeral Shaft Fractures: Grading the Evidence through a Meta-Analysis. PLoS ONE, 2013, 8, e82075.	2.5	51
42	Kinetics of Passive Film on Low Carbon Steel in Sodium Nitrate Solution by Numerical Analysis Method. Advanced Materials Research, 2012, 457-458, 358-364.	0.3	2
43	Preparation of Porous Ti Plate with Nanograde Pore Size by Dip-Coating Method. Advanced Materials Research, 2012, 487, 462-465.	0.3	0
44	One-step synthesis of petal-like apatite/titania composite coating on a titanium by micro-arc oxidation. Materials Letters, 2011, 65, 1041-1044.	2.6	28
45	Degradation in optical reflectance of Al film mirror induced by proton irradiation. Thin Solid Films, 2011, 519, 5046-5049.	1.8	12
46	The study on the sustainable development level of Jilin Province. , 2011, , .		0
47	Study on a Quinoline Inhibitor Used for Sulfur Corrosion on Carbon Steel: Properties Research and Field Test. Advanced Materials Research, 2011, 337, 106-111.	0.3	0
48	Bioactivity of TiO ₂ /Ti Composite Membrane with Different Crystal Phase. Advanced Materials Research, 2011, 287-290, 69-72.	0.3	0
49	Preparation and Characterization of Bone-Like Apatite Coating on Ti6Al4V Spinal Fusion Devices. Advanced Materials Research, 2011, 311-313, 1722-1727.	0.3	1
50	Design and characterization of bioceramic coating materials for Ti6Al4V. Frontiers of Materials Science in China, 2010, 4, 171-174.	0.5	1
51	Study of the surface wear resistance and biological properties of the Ti-Zr-Nb-Sn alloy for dental restoration. Biomedical Materials (Bristol), 2010, 5, 054107.	3.3	4
52	Comparison of physical characteristics and cell culture test of hydroxyapatite/collagen composite coating on NiTi SMA: electrochemical deposition and chemically biomimetic growth. Frontiers of Materials Science in China, 2007, 1, 229-236.	0.5	5
53	Morphology and quantitative characteristics of ceramic phase in Ti-HA composites with 20vol% HA. Frontiers of Materials Science in China, 2007, 1, 288-292.	0.5	1
54	Preparation of bone-like composite coating using a modified simulated body fluid with high Ca and P concentrations. Surface and Coatings Technology, 2006, 201, 1902-1906.	4.8	32

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55	Effect of 200keV proton irradiation on the properties of methyl silicone rubber. Radiation Physics and Chemistry, 2006, 75, 350-355.	2.8	25
56	Kinetics of Radiation Damage of Quartz Glass by Low-Energy Protons. Journal of Spacecraft and Rockets, 2006, 43, 514-517.	1.9	1
57	Synergistic Effect of Protons and Electrons on Radiation Damage of Silicone Rubber. Journal of Spacecraft and Rockets, 2006, 43, 520-522.	1.9	3
58	SYNERGISTIC EFFECT OF PROTONS AND ELECTRONS ON RADIATION DAMAGE OF METHYL SILICONE RUBBER. , 2006, , 35-41.		0
59	Study about the coloration of quartz glass induced by proton radiation with 80keV. Radiation Effects and Defects in Solids, 2004, 159, 195-201.	1.2	3
60	A Study of Methylsilicone Rubber Damage Behavior Induced by Proton Irradiation. , 2004, , 131-137.		5