Qiang Wei

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/4607643/publications.pdf

Version: 2024-02-01

60	1,292	471509	361022
papers	citations	17 h-index	35 g-index

62	62	62	1653
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Catalytic N-radical cascade reaction of hydrazones by oxidative deprotonation electron transfer and TEMPO mediation. Nature Communications, 2016, 7, 11188.	12.8	196
2	Photocatalytic Radical Trifluoromethylation/Cyclization Cascade: Synthesis of CF₃-Containing Pyrazolines and Isoxazolines. Organic Letters, 2015, 17, 4464-4467.	4.6	184
3	Photocascade Catalysis: A New Strategy for Cascade Reactions. ChemPhotoChem, 2017, 1, 148-158.	3.0	127
4	Synthesis and properties of morphology controllable copper sulphide nanosheets for supercapacitor application. Electrochimica Acta, 2016, 211, 891-899.	5.2	84
5	Catalytic Asymmetric Cycloaddition of In Situâ€Generated orthoâ€Quinone Methides and Azlactones by a Triple BrÃ¸nsted Acid Activation Strategy. Chemistry - A European Journal, 2016, 22, 6774-6778.	3.3	74
6	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
7	A WO3 nanorod-Cr2O3 nanoparticle composite for selective gas sensing of 2-butanone. Chinese Chemical Letters, 2018, 29, 538-542.	9.0	43
8	ZrB₂-Based â€œBrick-and-Mortarâ€•Composites Achieving the Synergy of Superior Damage Tolerance and Ablation Resistance. ACS Applied Materials & Interfaces, 2020, 12, 33246-33255.	8.0	38
9	BiVO₄ quantum dot-decorated BiPO₄ nanorods 0D/1D heterojunction for enhanced visible-light-driven photocatalysis. Dalton Transactions, 2018, 47, 10288-10298.	3.3	37
10	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
11	Flexible Composite Carbon Films Prepared by a Pancakeâ€Making Method for Electromagnetic Interference Shielding. Advanced Materials Interfaces, 2020, 7, 1901815.	3.7	29
12	Activating the hydrogen evolution activity of Pt electrode via synergistic interaction with NiS2. Journal of Colloid and Interface Science, 2021, 582, 591-597.	9.4	29
13	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
14	Effect of 200keV proton irradiation on the properties of methyl silicone rubber. Radiation Physics and Chemistry, 2006, 75, 350-355.	2.8	25
15	Negative effect of vacancies on cubic symmetry, hardness and conductivity in hafnium nitride films. Scripta Materialia, 2015, 108, 141-146.	5.2	25
16	A nanostructured Cr2O3/WO3 pâ€“n junction sensor for highly sensitive detection of butanone. Journal of Materials Science: Materials in Electronics, 2017, 28, 12056-12062.	2.2	19
17	Dipyridylbenzene as a charming sensitizer to significantly enhance the photocatalytic activity of titanium dioxide. Applied Catalysis B: Environmental, 2018, 232, 472-480.	20.2	13
18	Degradation in optical reflectance of Al film mirror induced by proton irradiation. Thin Solid Films, 2011, 519, 5046-5049.	1.8	12

#	Article	IF	Citations
19	Hydrophobic ZnO-TiO₂Nanocomposite with Photocatalytic Promoting Self-Cleaning Surface. International Journal of Photoenergy, 2015, 2015, 1-6.	2.5	12
20	Atomic Oxygen Adaptability of Flexible Kapton/Al2O3 Composite Thin Films Prepared by Ion Exchange Method. Coatings, 2019, 9, 624.	2.6	12
21	The Mechanical Effect of MnO2 Layers on Electrochemical Actuation Performance of Nanoporous Gold. Nanomaterials, 2020, 10, 2056.	4.1	12
22	Effects of umbilical cord mesenchymal stem cells loaded with graphene oxide granular lubrication on cytokine levels in animal models of knee osteoarthritis. International Orthopaedics, 2021, 45, 381-390.	1.9	12
23	Enantioselective Construction of Bridgehead Quaternary Carbon Containing Bicyclo[3.3.1]nonanes by Palladium-Catalyzed ÂĐesymmetric Arylation. Synthesis, 2018, 50, 1661-1666.	2.3	11
24	Restoration Effect and Tribological Behavior of Hyaluronic Acid Reinforced with Graphene Oxide in Osteoarthritis. Journal of Nanoscience and Nanotechnology, 2019, 19, 91-97.	0.9	11
25	Atomic oxygen effect of Zr-Al-C coatings on ZrNb alloys used in space environment. Applied Surface Science, 2021, 564, 150420.	6.1	9
26	Effects and mechanism on Kapton film under ozone exposure in a ground near space simulator. Applied Surface Science, 2018, 440, 1083-1090.	6.1	8
27	Modification and verification of Miedema model for predicating thermodynamic properties of binary precipitates in multi-element alloys. Physica B: Condensed Matter, 2022, 627, 413540.	2.7	8
28	Effects of Zr Addition on Thermodynamic and Kinetic Properties of Liquid Mg-6Zn-xZr Alloys. Metals, 2019, 9, 607.	2.3	6
29	Viscoplastic constitutive equations for modeling fluid loading and damage evolution during warm medium forming. Engineering Fracture Mechanics, 2020, 235, 107154.	4.3	6
30	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
31	Impact effects on fused quartz glass by ground simulating hypervelocity space debris. Science China Technological Sciences, 2013, 56, 724-731.	4.0	5
32	Hardness and optical gap enhancement of germanium carbon films by nitrogen incorporation. Thin Solid Films, 2015, 584, 208-213.	1.8	5
33	Synthesis of Zr2Al3C4 coatings on zirconium-alloy substrates with Al C/Si interlayers as diffusion barriers. Vacuum, 2019, 160, 128-132.	3.5	5
34	A Study of Methylsilicone Rubber Damage Behavior Induced by Proton Irradiation. , 2004, , 131-137.		5
35	Asynchronous Synergistic Damage Effect of Atomic Oxygen and Space Micro Debris on Kapton Film. Coatings, 2022, 12, 179.	2.6	5
36	Study of the surface wear resistance and biological properties of the Tiâ€“Zrâ€“Nbâ€“Sn alloy for dental restoration. Biomedical Materials (Bristol), 2010, 5, 054107.	3.3	4

#	Article	IF	Citations
37	Preparation and Photocatalytic Activities of Black TiO2 in Vacuum and Ambient Temperature Environment. Journal of Nanoscience and Nanotechnology, 2019, 19, 81-90.	0.9	4
38	Effect of strain rate on microscale formability and microstructural evolution of TA1 foil. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 817, 141338.	5.6	4
39	Study about the coloration of quartz glass induced by proton radiation with 80â€ŠkeV. Radiation Effects and Defects in Solids, 2004, 159, 195-201.	1.2	3
40	Synergistic Effect of Protons and Electrons on Radiation Damage of Silicone Rubber. Journal of Spacecraft and Rockets, 2006, 43, 520-522.	1.9	3
41	Nanocone Structures Enhancing Nitrogen-Vacancy Center Emissions in Diamonds. Coatings, 2020, 10, 513.	2.6	3
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	One-step hydrothermal method to synthesize Bi/Bi2MoO6 composite for photoelectric catalyst. Functional Materials Letters, 2017, 10, 1750053.	1.2	2
44	Formation and evolution of black silicon microcolumns with array distribution after IR nanosecond-pulsed laser ablation. Ferroelectrics, 2018, 528, 51-57.	0.6	2
45	Thermal Error Model of Linear Motor Feed System Based on Bayesian Neural Network. IEEE Access, 2021, 9, 112561-112572.	4.2	2
46	Kinetics of Radiation Damage of Quartz Glass by Low-Energy Protons. Journal of Spacecraft and Rockets, 2006, 43, 514-517.	1.9	1
47	Morphology and quantitative characteristics of ceramic phase in Ti-HA composites with â©½ 20vol% HA. Frontiers of Materials Science in China, 2007, 1, 288-292.	0.5	1
48	Design and characterization of bioceramic coating materials for Ti6Al4V. Frontiers of Materials Science in China, 2010, 4, 171-174.	0.5	1
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	Zr2Al3C4 Coatings on Zirconium-alloy Substrates with Enhanced Adhesion and Diffusion Barriers by Al/Mo-C Interlayers. Wuji Cailiao Xuebao/Journal of Inorganic Materials, 2021, 36, 541.	1.3	1
51	Effect of Projectile Shape and Velocity on Crater Damage. Thirty Years of Astronomical Discovery With UKIRT, 2017, , 329-336.	0.3	1
52	Electrical Characteristics of Diamond MOSFET with 2DHG on a Heteroepitaxial Diamond Substrate. Materials, 2022, 15, 2557.	2.9	1
53	Mechanical Properties Evolution and Damage Mechanism of Kevlar Fiber under Ozone Exposure in Near-Space Simulation. Coatings, 2022, 12, 584.	2.6	1
54	The study on the sustainable development level of Jilin Province. , 2011, , .		0

#	Article	IF	Citations
55	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
56	Bioactivity of TiO₂/Ti Composite Membrane with Different Crystral Phase. Advanced Materials Research, 2011, 287-290, 69-72.	0.3	0
57	Preparation of Porous Ti Plate with Nanograde Pore Size by Dip-Coating Method. Advanced Materials Research, 2012, 487, 462-465.	0.3	0
58	Nano-Patterns of Photoresist Fabricated by Ultraviolet Lithography Technology. Journal of Nanoscience and Nanotechnology, 2020, 20, 2508-2513.	0.9	0
59	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
60	SYNERGISTIC EFFECT OF PROTONS AND ELECTRONS ON RADIATION DAMAGE OF METHYL SILICONE RUBBER. , 2006, , 35-41.		0