

Juan Chen

List of Publications by Year in descending order

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papers

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1101
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#	ARTICLE	IF	CITATIONS
1	Hydrogen-induced optical properties of FC/Pd/Mg films: Roles of grain size and grain boundary. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 1970-1980.	11.9	0
2	Additively manufactured biodegradable porous magnesium implants for elimination of implant-related infections: An in vitro and in vivo study. <i>Bioactive Materials</i> , 2022, 8, 140-152.	15.6	47
3	Optical H ₂ -sensing properties of ordered porous WO ₃ films prepared by colloidal template method. <i>Journal of Materials Science: Materials in Electronics</i> , 2022, 33, 1604-1617.	2.2	6
4	Structure Design and Performance Research of WO ₃ Hydrogen Gasochromic Film Prepared by Solvothermal Synthesis Assisted with Electrodeposition of Seed Layer. <i>Advanced Materials Interfaces</i> , 2022, 9, .	3.7	9
5	Subtherapeutic Photodynamic Treatment Facilitates Tumor Nanomedicine Delivery and Overcomes Desmoplasia. <i>Nano Letters</i> , 2021, 21, 344-352.	9.1	28
6	The Ductility Variation of High-Pressure Die-Cast AE44 Alloy: The Role of Inhomogeneous Microstructure. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 2274-2286.	2.2	8
7	Porphyrin-lipid stabilized paclitaxel nanoemulsion for combined photodynamic therapy and chemotherapy. <i>Journal of Nanobiotechnology</i> , 2021, 19, 154.	9.1	34
8	Porphyrin-lipid nanovesicles (Porphysomes) are effective photosensitizers for photodynamic therapy. <i>Nanophotonics</i> , 2021, 10, 3161-3168.	6.0	18
9	Influence of friction stir processing and aging heat treatment on microstructure and mechanical properties of selective laser melted Mg-Gd-Zr alloy. <i>Additive Manufacturing</i> , 2021, 44, 102036.	3.0	6
10	Rabbit VX2 head and neck squamous cell models for translational head and neck theranostic technology development. <i>Clinical and Translational Medicine</i> , 2021, 11, e550.	4.0	1
11	Long-circulating Prostate-specific Membrane Antigen-targeted NIR Phototheranostic Agent. <i>Photochemistry and Photobiology</i> , 2020, 96, 718-724.	2.5	14
12	Lipoprotein-like Nanoparticle Carrying Small Interfering RNA Against Spalt-like Transcription Factor 4 Effectively Targets Hepatocellular Carcinoma Cells and Decreases Tumor Burden. <i>Hepatology Communications</i> , 2020, 4, 769-782.	4.3	9
13	Effects of Amorphous and Nanocrystalline Structures on Hydrogen-Induced Optical Performance of Modulated Mg-Gd Films with Various Composition Fluctuations. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 29605-29613.	8.0	0
14	Photophysics of J-Aggregating Porphyrin-Lipid Photosensitizers in Liposomes: Impact of Lipid Saturation. <i>Langmuir</i> , 2020, 36, 5385-5393.	3.5	27
15	Photodynamic therapy enables tumor-specific ablation in preclinical models of thyroid cancer. <i>Endocrine-Related Cancer</i> , 2020, 27, 41-53.	3.1	12
16	A Nanoemulsion with A Porphyrin Shell for Cancer Theranostics. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 14974-14978.	13.8	44
17	Stable J-Aggregation of an aza-BODIPY-Lipid in a Liposome for Optical Cancer Imaging. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13394-13399.	13.8	113
18	pH Driven self-assembly of aza-BODIPY J-aggregates. <i>Journal of Porphyrins and Phthalocyanines</i> , 2019, 23, 518-525.	0.8	5

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19	Use of Porphysomes to detect primary tumour, lymph node metastases, intra-abdominal metastases and as a tool for image-guided lymphadenectomy: proof of concept in endometrial cancer. <i>Theranostics</i> , 2019, 9, 2727-2738.	10.0	19
20	Fabrication and optical property improvement of gasochromic switchable mirror based on Pd/Mg Nb2O5 thin film. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 15205-15217.	7.1	10
21	Evaluation of Novel Imaging Devices for Nanoparticle-Mediated Fluorescence-Guided Lung Tumor Therapy. <i>Annals of Thoracic Surgery</i> , 2019, 107, 1613-1620.	1.3	10
22	Tailoring Porphyrin Conjugation for Nanoassembly-Driven Phototheranostic Properties. <i>ACS Nano</i> , 2019, 13, 4560-4571.	14.6	41
23	Mixed and Matched Metallo-Nanotexaphyrin for Customizable Biomedical Imaging. <i>Advanced Healthcare Materials</i> , 2019, 8, 1800857.	7.6	8
24	Porphyrim-High-Density Lipoprotein: A Novel Photosensitizing Nanoparticle for Lung Cancer Therapy. <i>Annals of Thoracic Surgery</i> , 2019, 107, 369-377.	1.3	21
25	Improved optical properties of switchable mirrors based on Pd/Mg-TiO2 films fabricated by magnetron sputtering. <i>Materials and Design</i> , 2018, 144, 256-262.	7.0	11
26	Tuning Pharmacokinetics to Improve Tumor Accumulation of a Prostate-Specific Membrane Antigen-Targeted Phototheranostic Agent. <i>Bioconjugate Chemistry</i> , 2018, 29, 3746-3756.	3.6	26
27	Preclinical investigation of folate receptor-targeted nanoparticles for photodynamic therapy of malignant pleural mesothelioma. <i>International Journal of Oncology</i> , 2018, 53, 2034-2046.	3.3	8
28	Multipronged Biomimetic Approach To Create Optically Tunable Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 8125-8129.	13.8	24
29	Characterization and strengthening effects of I^{3+} precipitates in a high-strength casting Mg-15Gd-1Zn-0.4Zr (wt.%) alloy. <i>Materials Characterization</i> , 2017, 126, 1-9.	4.4	102
30	Microstructure, texture and mechanical properties of friction stir processed Mg-14Gd alloys. <i>Materials and Design</i> , 2017, 130, 90-102.	7.0	46
31	<i>In Vivo</i> Potential of Manganese Chelated Porphysomes as MRI Contrast Agents. <i>STEM Fellowship Journal</i> , 2017, 3, 47-53.	0.3	5
32	Optimization of mechanical properties of fine-grained non-combustive magnesium alloy joint by asymmetrical double-sided friction stir welding. <i>Journal of Materials Processing Technology</i> , 2017, 242, 117-125.	6.3	34
33	Effects of Zr and Mn additions on formation of LPSO structure and dynamic recrystallization behavior of Mg-15Gd-1Zn alloy. <i>Journal of Alloys and Compounds</i> , 2017, 692, 805-816.	5.5	61
34	Nanostructure-Dependent Ratiometric NIR Fluorescence Enabled by Ordered Dye Aggregation. <i>ChemNanoMat</i> , 2016, 2, 430-436.	2.8	10
35	Porphysome nanoparticles for enhanced photothermal therapy in a patient-derived orthotopic pancreas xenograft cancer model: a pilot study. <i>Journal of Biomedical Optics</i> , 2016, 21, 084002.	2.6	20
36	Influence of processing parameters on thermal field in Mg-Nd-Zn-Zr alloy during friction stir processing. <i>Materials and Design</i> , 2016, 94, 186-194.	7.0	27

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37	Double-sided friction-stir welding of magnesium alloy with concave“convex tools for texture control. <i>Materials & Design</i> , 2015, 76, 181-189.	5.1	49
38	Synthesis and Development of Lipoprotein-Based Nanocarriers for Light-Activated Theranostics. <i>Israel Journal of Chemistry</i> , 2012, 52, 715-727.	2.3	6