

# Xinxin Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

62  
papers

1,310  
citations

279798

23  
h-index

414414

32  
g-index

62  
all docs

62  
docs citations

62  
times ranked

1238  
citing authors

#	ARTICLE	IF	CITATIONS
1	A pan-cancer analysis of the oncogenic role of staphylococcal nuclease domain-containing protein 1 (SND1) in human tumors. <i>Genomics</i> , 2020, 112, 3958-3967.	2.9	98
2	Microstructural evolution and biological performance of Cu-incorporated TiO <sub>2</sub> coating fabricated through one-step micro-arc oxidation. <i>Applied Surface Science</i> , 2020, 508, 144766.	6.1	55
3	Enhanced Corrosion Barrier of Microarc-Oxidized Mg Alloy by Self-Healing Superhydrophobic Silica Coating. <i>Industrial &amp; Engineering Chemistry Research</i> , 2019, 58, 165-178.	3.7	53
4	Synthesis and characterization of a bi-functional hydroxyapatite/Cu-doped TiO <sub>2</sub> composite coating. <i>Ceramics International</i> , 2019, 45, 6693-6701.	4.8	48
5	Characterization and property of dual-functional Zn-incorporated TiO <sub>2</sub> micro-arc oxidation coatings: The influence of current density. <i>Journal of Alloys and Compounds</i> , 2019, 810, 151893.	5.5	43
6	Intergranular corrosion in AA2024-T3 aluminium alloy: The influence of stored energy and prediction. <i>Corrosion Science</i> , 2019, 155, 1-12.	6.6	43
7	Microstructure, bio-corrosion and biological property of Ag-incorporated TiO <sub>2</sub> coatings: Influence of Ag <sub>2</sub> O contents. <i>Ceramics International</i> , 2019, 45, 22357-22367.	4.8	42
8	Growth mechanism of titania on titanium substrate during the early stage of plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2020, 400, 126202.	4.8	41
9	Formation mechanism, corrosion behaviour and biological property of hydroxyapatite/TiO <sub>2</sub> coatings fabricated by plasma electrolytic oxidation. <i>Surface and Coatings Technology</i> , 2020, 386, 125483.	4.8	41
10	Characterization of an AtCCX5 gene from <i>Arabidopsis thaliana</i> that involves in high-affinity K <sup>+</sup> uptake and Na <sup>+</sup> transport in yeast. <i>Biochemical and Biophysical Research Communications</i> , 2011, 414, 96-100.	2.1	38
11	Production of pullulan from xylose and hemicellulose hydrolysate by <i>Aureobasidium pullulans</i> AY82 with pH control and DL-dithiothreitol addition. <i>Biotechnology and Bioprocess Engineering</i> , 2014, 19, 282-288.	2.6	36
12	Synthesis, microstructure, anti-corrosion property and biological performances of Mn-incorporated Ca-P/TiO <sub>2</sub> composite coating fabricated via micro-arc oxidation. <i>Materials Science and Engineering C</i> , 2020, 117, 111321.	7.3	36
13	Conserved Vâ€‹ATPâ€‹ase c subunit plays a role in plant growth by influencing Vâ€‹ATPâ€‹aseâ€‹dependent endosomal trafficking. <i>Plant Biotechnology Journal</i> , 2016, 14, 271-283.	8.3	35
14	Characterization and property of bifunctional Zn-incorporated TiO <sub>2</sub> micro-arc oxidation coatings: The influence of different Zn sources. <i>Ceramics International</i> , 2019, 45, 19747-19756.	4.8	35
15	Microstructure, formation mechanism and antifouling property of multi-layered Cu-incorporated Al <sub>2</sub> O <sub>3</sub> coating fabricated through plasma electrolytic oxidation. <i>Ceramics International</i> , 2020, 46, 2901-2909.	4.8	34
16	<i>Arabidopsis</i> mitochondrial voltageâ€‹dependent anion channel 3 (AtVDAC3) protein interacts with thioredoxin m2. <i>FEBS Letters</i> , 2015, 589, 1207-1213.	2.8	30
17	Integration of CoFe Alloys and Fe/Fe <sub>3</sub> C Nanoparticles into N-Doped Carbon Nanosheets as Dual Catalytic Active Sites To Promote the Oxygen Electrocatalysis of Znâ€‹Air Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 9009-9016.	6.7	30
18	Transcriptome Analysis Reveals Potential Regulatory Genes Related to Heat Tolerance in Holstein Dairy Cattle. <i>Genes</i> , 2020, 11, 68.	2.4	30

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19	Enhanced uniformity, corrosion resistance and biological performance of Cu-incorporated TiO <sub>2</sub> coating produced by ultrasound-auxiliary micro-arc oxidation. <i>Applied Surface Science</i> , 2021, 569, 150932.	6.1	30
20	Novel recyclable BiOBr/Fe <sub>3</sub> O <sub>4</sub> /RGO composites with remarkable visible-light photocatalytic activity. <i>RSC Advances</i> , 2020, 10, 19961-19973.	3.6	28
21	Economic Analysis of Organic Rankine Cycle Using R123 and R245fa as Working Fluids and a Demonstration Project Report. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 288.	2.5	27
22	Sexual differences in long-term effects of prenatal chronic mild stress on anxiety-like behavior and stress-induced regional glutamate receptor expression in rat offspring. <i>International Journal of Developmental Neuroscience</i> , 2015, 41, 80-91.	1.6	26
23	Reactive incorporation of Ag into porous TiO <sub>2</sub> coating and its influence on its microstructure, in vitro antibacterial efficacy and cytocompatibility. <i>Progress in Natural Science: Materials International</i> , 2021, 31, 215-229.	4.4	26
24	Identification and characterization of a novel yeast $\Delta$ -fatty acid desaturase acting on long-chain $n-6$ fatty acid substrates from <i>Pichia pastoris</i> . <i>Yeast</i> , 2008, 25, 21-27.	1.7	25
25	The interaction between AtMT2b and AtVDAC3 affects the mitochondrial membrane potential and reactive oxygen species generation under NaCl stress in Arabidopsis. <i>Planta</i> , 2019, 249, 417-429.	3.2	24
26	Enhanced corrosion resistance of AZ31 Mg alloy by one-step formation of PEO/Mg-Al LDH composite coating. <i>Corrosion Communications</i> , 2022, 6, 67-83.	6.0	24
27	Microstructure, corrosion resistance, osteogenic activity and antibacterial capability of Mn-incorporated TiO <sub>2</sub> coating. <i>Applied Surface Science</i> , 2020, 531, 147399.	6.1	21
28	Construction of multi-layered Zn-modified TiO <sub>2</sub> coating by ultrasound-auxiliary micro-arc oxidation: Microstructure and biological property. <i>Materials Science and Engineering C</i> , 2021, 131, 112487.	7.3	20
29	Microstructural characterization and in vitro biological performances of Ag, Zn co-incorporated TiO <sub>2</sub> coating. <i>Ceramics International</i> , 2020, 46, 29160-29172.	4.8	19
30	Enhancement of Corrosion Resistance and Biological Performances of Cu-Incorporated Hydroxyapatite/TiO <sub>2</sub> Coating by Adjusting Cu Chemical Configuration and Hydroxyapatite Contents. <i>ACS Applied Bio Materials</i> , 2021, 4, 903-917.	4.6	19
31	Solubility and dissolution rate improvement of the inclusion complex of apigenin with 2-hydroxypropyl- $\beta$ -cyclodextrin prepared using the liquid antisolvent precipitation and solvent removal combination methods. <i>Drug Development and Industrial Pharmacy</i> , 2017, 43, 1366-1377.	2.0	18
32	Synthesis of oxygen-rich TiO <sub>2</sub> /coal-based graphene aerogel for enhanced photocatalytic activities. <i>Materials Science in Semiconductor Processing</i> , 2020, 117, 105169.	4.0	18
33	Preparation, characterization and antitumor activity evaluation of silibinin nanoparticles for oral delivery through liquid antisolvent precipitation. <i>RSC Advances</i> , 2017, 7, 54379-54390.	3.6	16
34	Ag distribution and corrosion behaviour of the plasma electrolytic oxidized antibacterial Mg-Ag alloy. <i>Electrochimica Acta</i> , 2022, 411, 140089.	5.2	16
35	The Arabidopsis sucrose non-fermenting-1-related protein kinase AtSnRK2.4 interacts with a transcription factor, AtMYB21, that is involved in salt tolerance. <i>Plant Science</i> , 2021, 303, 110685.	3.6	14
36	Microstructure and Corrosion Resistance of Plasma Electrolytic Oxidized Recycled Mg Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2022, 35, 961-974.	2.9	13

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37	Virtual images inspired consolidate collaborative representation-based classification method for face recognition. <i>Journal of Modern Optics</i> , 2016, 63, 1181-1188.	1.3	12
38	Arabidopsis Ca <sup>2+</sup> -dependent nuclease AtCaN2 plays a negative role in plant responses to salt stress. <i>Plant Science</i> , 2019, 281, 213-222.	3.6	12
39	Bioactive sesquiterpenes from <i>Inula helenium</i> . <i>Bioorganic Chemistry</i> , 2021, 114, 105066.	4.1	11
40	Corrosion behaviour of micro-arc oxidized titanium in NaCl solution with H <sub>2</sub> O <sub>2</sub> and albumin. <i>Materials Chemistry and Physics</i> , 2022, 276, 125376.	4.0	11
41	The synergistic effect of Ag and ZnO on the microstructure, corrosion resistance and in vitro biological performance of titania coating. <i>Surface and Coatings Technology</i> , 2021, 426, 127798.	4.8	11
42	Evolution-related amino acids play important role in determining regioselectivity of fatty acid desaturase from <i>Pichia pastoris</i> . <i>Molecular Biology Reports</i> , 2009, 36, 567-573.	2.3	10
43	Overexpression of AtOxR gene improves abiotic stresses tolerance and vitamin C content in <i>Arabidopsis thaliana</i> . <i>BMC Biotechnology</i> , 2016, 16, 69.	3.3	10
44	Clinical significance of circulating tumor cells in patients with locally advanced head and neck squamous cell carcinoma. <i>Oncology Reports</i> , 2020, 43, 1525-1535.	2.6	10
45	A supervised dimensionality reduction method-based sparse representation for face recognition. <i>Journal of Modern Optics</i> , 2017, 64, 799-806.	1.3	9
46	Improved photoelectric properties of BiOBr nanoplates by co-modifying SnO <sub>2</sub> and Ag to promote photoelectrons trapped by adsorbed O <sub>2</sub> . <i>Science China Materials</i> , 2019, 62, 653-661.	6.3	9
47	Innate Anti-microbial and Anti-chemotaxis Properties of Progranulin in an Acute Otitis Media Mouse Model. <i>Frontiers in Immunology</i> , 2018, 9, 2952.	4.8	6
48	The Influence of Stored Energy on Grain Boundary Chemistry and Intergranular Corrosion Development in AA2024-T3 Alloy. <i>Materials</i> , 2018, 11, 2299.	2.9	6
49	Numerical Investigation on the Dynamic Flow Pattern in a New Wastewater Treatment System. <i>Water (Switzerland)</i> , 2021, 13, 1101.	2.7	6
50	Microstructure, anti-corrosion and biological performance of Ag, Zn Co-doped titania coating: The influence of Zn contents. <i>Ceramics International</i> , 2021, 47, 11129-11143.	4.8	5
51	GILT in tumor cells improves T cell-mediated anti-tumor immune surveillance. <i>Immunology Letters</i> , 2021, 234, 1-12.	2.5	5
52	Milk Production Responses and Digestibility of Dairy Buffaloes ( <i>Bubalus bubalis</i> ) Partially Supplemented with Forage Rape ( <i>Brassica napus</i> ) Silage Replacing Corn Silage. <i>Animals</i> , 2021, 11, 2931.	2.3	4
53	Study on the Mechanism of Ionic Stabilizers on Shale Gas Reservoir Mechanics in Northwestern Hunan. <i>Energies</i> , 2019, 12, 2453.	3.1	3
54	Early identification of stress corrosion cracking of P110 low alloy steel in downhole fluid by electrochemical noise measurement. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 230-243.	1.4	3

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55	One-pot synthesis and microstructure of multi-layered nanospheres via plasma electrolytic oxidation. <i>Ceramics International</i> , 2021, 47, 28037-28041.	4.8	3
56	Relationship Between Somatic Cell Counts and Mammary Gland Parenchyma Ultrasonography in Buffaloes. <i>Frontiers in Veterinary Science</i> , 2022, 9, 842105.	2.2	3
57	N-terminus of PutCAX2 from <i>Puccinellia tenuiflora</i> affects Ca <sup>2+</sup> and Ba <sup>2+</sup> tolerance in yeast. <i>Acta Physiologiae Plantarum</i> , 2016, 38, 1.	2.1	2
58	Evolutionary analysis of buffalo sterol regulatory element-binding factor (SREBF) family genes and their affection on milk traits. <i>Animal Biotechnology</i> , 2022, , 1-12.	1.5	2
59	miR-15a regulates the preadipocyte differentiation by targeting ABAT gene in Yanbian yellow cattle. <i>Animal Biotechnology</i> , 2023, 34, 2343-2352.	1.5	2
60	Multimodal Treatment With Orbital Organ Preservation in Adult Patients With Locally Advanced Small-Round-Cell Malignancy of the Nasal Cavity and Paranasal Sinus. <i>Frontiers in Oncology</i> , 2021, 11, 650385.	2.8	1
61	Knock-in human GDF5 proregion L373R mutation as a mouse model for proximal symphalangism. <i>Oncotarget</i> , 2017, 8, 113966-113976.	1.8	1
62	Response of Tonsil Follicular Dendritic Cell Sarcoma to Multimodal Treatment Including Pembrolizumab: A Case Report and Literature Review. <i>Frontiers in Oncology</i> , 2022, 12, 816903.	2.8	1