

Xiang Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7722476/publications.pdf>

Version: 2024-02-01

45
papers

669
citations

687363

13
h-index

610901

24
g-index

45
all docs

45
docs citations

45
times ranked

801
citing authors

#	ARTICLE	IF	CITATIONS
1	Fluorinated boron nitride nanosheets as an inorganic matrix for the MALDI mass spectrometry analysis of perfluorinated fatty acids. <i>Talanta</i> , 2022, 243, 123365.	5.5	7
2	Nano-TiO ₂ film enables silver artefacts to regenerate. <i>Bulletin of Materials Science</i> , 2022, 45, .	1.7	0
3	Au NPs decorated holey g-C ₃ N ₄ as a dual-mode sensing platform of SERS and SALDI-MS for selective discrimination of L-cysteine. <i>Journal of Colloid and Interface Science</i> , 2022, 626, 608-618.	9.4	21
4	Influence of ALD-Al ₂ O ₃ film on anti-scratch and anti-tarnish of silver. <i>Surface Engineering</i> , 2021, 37, 490-496.	2.2	2
5	Preparation, structure and application of g-C ₃ N ₄ /BiOX composite photocatalyst. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 1857-1878.	7.1	41
6	Double-side effect of B/C ratio on BDD electrode detection for heavy metal ion in water. <i>Science of the Total Environment</i> , 2021, 771, 145430.	8.0	8
7	Preparation of boron-doped diamond foam film for supercapacitor applications. <i>Applied Surface Science</i> , 2020, 506, 144645.	6.1	18
8	In-situ graphene modified self-supported boron-doped diamond electrode for Pb(II) electrochemical detection in seawater. <i>Applied Surface Science</i> , 2020, 527, 146761.	6.1	34
9	Attempting AG-Doped Diamond-Like Carbon Film to Improve Seal Performance of Hydraulic Servo-Actuator. <i>Materials</i> , 2020, 13, 2618.	2.9	5
10	Preparation of Low-Resistance and Residue-free ITO Films for Large-scale 3D Displays. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 45903-45913.	8.0	9
11	Effect of interfacial layer on graphene structure in-situ grown on cemented carbide. <i>Journal of Alloys and Compounds</i> , 2019, 806, 1309-1314.	5.5	5
12	Graphene quantum dots decorated ZnO-ZnFe ₂ O ₄ nanocages and their visible light photocatalytic activity. <i>Applied Surface Science</i> , 2019, 478, 991-997.	6.1	52
13	Adjusting surface morphology of substrate to improve the capacitive performance for the formed boron-doped diamond electrode. <i>Applied Surface Science</i> , 2019, 491, 814-822.	6.1	6
14	Adjusting acetylene gas flow to grow a spheroidal graphene film with controllable layer number and lattice defects. <i>Surface and Coatings Technology</i> , 2019, 364, 416-421.	4.8	6
15	Carbon fiber reinforced shape memory epoxy composites with superior mechanical performances. <i>Composites Science and Technology</i> , 2019, 177, 49-56.	7.8	45
16	Versatile Layer-By-Layer Highly Stable Multilayer Films: Study of the Loading and Release of FITC-Labeled Short Peptide in the Drug Delivery Field. <i>Materials</i> , 2019, 12, 1206.	2.9	5
17	Influence of pore size of Ti substrate on structural and capacitive properties of Ti/boron doped diamond electrode. <i>Journal of Alloys and Compounds</i> , 2019, 777, 84-93.	5.5	15
18	Exploring a diamond film to improve wear resistance of the hydraulic drilling impactor. <i>Surface and Coatings Technology</i> , 2019, 360, 297-306.	4.8	9

#	ARTICLE	IF	CITATIONS
19	Tip effect of a micro-needle in a diamond-coating external field. <i>Surface and Coatings Technology</i> , 2019, 359, 239-246.	4.8	5
20	Low-temperature \hat{I}^2 -SiC interlayer for diamond film on cemented carbide. <i>Surface Engineering</i> , 2019, 35, 483-490.	2.2	2
21	Synthesis of transfer-free graphene on cemented carbide surface. <i>Scientific Reports</i> , 2018, 8, 4759.	3.3	7
22	Improving vibrator structure to eliminate vibration noise. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 1741-1747.	3.0	5
23	Active control of hydraulic oil contamination to extend the service life of aviation hydraulic system. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 1693-1704.	3.0	19
24	Layer by Layer Mesoporous Silica-Hyaluronic Acid-Cyclodextrin Bifunctional "Lamination" Study of the Application of Fluorescent Probe and Host-Guest Interactions in the Drug Delivery Field. <i>Materials</i> , 2018, 11, 1745.	2.9	3
25	Influence of parameters on Al/Ti-DLC/DLC selective absorber film. <i>Surface Engineering</i> , 2017, 33, 827-834.	2.2	3
26	Exploring wear detection method for special drilling parts in liquid media. <i>International Journal of Refractory Metals and Hard Materials</i> , 2016, 61, 249-258.	3.8	4
27	High Performance Shape Memory Epoxy/Carbon Nanotube Nanocomposites. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 311-320.	8.0	117
28	Comparison of human mesenchymal stem cells proliferation and differentiation on poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38 Biomaterials Applications, 2016, 30, 722-731.	2.4	17
29	Effect of additive on zinc electrodeposition in acidic bath. <i>Surface Engineering</i> , 2015, 31, 446-451.	2.2	8
30	The Effects of Ti Carbonization on the Nucleation and Oriented Growth of Diamond Films on Cemented Carbide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 4669-4677.	8.0	21
31	Exploring tribological behaviour of diamond film by hot-filament chemical vapour deposition on tungsten carbide for lunar exploration. <i>Vacuum</i> , 2014, 100, 41-45.	3.5	13
32	Design of a microbial contamination detector and analysis of error sources in its optical path. <i>Pakistan Journal of Pharmaceutical Sciences</i> , 2014, 27, 671-7.	0.2	0
33	Influence of Silver Incorporation on Toughness Improvement of Diamond-Like Carbon Film Prepared by Ion Beam Assisted Deposition. <i>Journal of Adhesion</i> , 2013, 89, 578-593.	3.0	14
34	Mechanical and biomedical properties of copper-containing diamond-like carbon films on magnesium alloys. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4773.	5.8	11
35	Investigation of thick CVD diamond film with SiC interlayer on tungsten carbide for possible usage in geologic explorations. <i>Vacuum</i> , 2013, 94, 53-56.	3.5	11
36	Influence of copper content and nanograin size on toughness of copper containing diamond-like carbon films. <i>Materials Research Innovations</i> , 2013, 17, 66-69.	2.3	4

#	ARTICLE	IF	CITATIONS
37	Influence of titanium ion implantation on nucleation of diamond films on tungsten carbide. <i>Materials Research Innovations</i> , 2013, 17, 12-15.	2.3	10
38	Influence of chromium buffer layer on Cr/ta-C composite films. <i>Surface Engineering</i> , 2013, 29, 276-280.	2.2	6
39	Influence of three classic chromium-based transitions on the behavior of film/substrate interface in diamond-like carbon films. <i>Applied Physics Letters</i> , 2013, 103, 231607.	3.3	1
40	Influence of Cr Contents and Nanograin Sizes on Microstructure, Mechanical and Sliding Tribological Behaviors of Hard Cr-Diamond-Like Carbon Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 5379-5382.	0.9	10
41	Microstructure and mechanical properties of Ag-containing diamond-like carbon films in mid-frequency dual-magnetron sputtering. <i>Applied Surface Science</i> , 2009, 256, 1431-1435.	6.1	46
42	Influence of Ag Content and Nanograin Size on Microstructure, Mechanical and Sliding Tribological Behaviors of Ag-DLC Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 6366-6371.	0.9	22
43	ADHERENT NANO-SUPERHARD TITANIUM NITRIDE FILM AND ITS FORMING MECHANISM IN MULTI-ARC ION-PLATING SYSTEM. <i>Surface Review and Letters</i> , 2007, 14, 789-793.	1.1	0
44	Enhancing the hardness of arc-ion-plated nanocrystallite TiN films. <i>Nanotechnology</i> , 2007, 18, 355710.	2.6	4
45	A tribological study of tetrahedral amorphous carbon films prepared by filtered cathodic vacuum arc technique. <i>Vacuum</i> , 2004, 75, 231-236.	3.5	18