

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	High Performance Shape Memory Epoxy/Carbon Nanotube Nanocomposites. ACS Applied Materials & Interfaces, 2016, 8, 311-320.	8.0	117
2	Graphene quantum dots decorated ZnO-ZnFe ₂ O ₄ nanocages and their visible light photocatalytic activity. Applied Surface Science, 2019, 478, 991-997.	6.1	52
3	Microstructure and mechanical properties of Ag-containing diamond-like carbon films in mid-frequency dual-magnetron sputtering. Applied Surface Science, 2009, 256, 1431-1435.	6.1	46
4	Carbon fiber reinforced shape memory epoxy composites with superior mechanical performances. Composites Science and Technology, 2019, 177, 49-56.	7.8	45
5	Preparation, structure and application of g-C ₃ N ₄ /BiOX composite photocatalyst. International Journal of Hydrogen Energy, 2021, 46, 1857-1878.	7.1	41
6	In-situ graphene modified self-supported boron-doped diamond electrode for Pb(II) electrochemical detection in seawater. Applied Surface Science, 2020, 527, 146761.	6.1	34
7	Influence of Ag Content and Nanograin Size on Microstructure, Mechanical and Sliding Tribological Behaviors of Ag-DLC Films. Journal of Nanoscience and Nanotechnology, 2009, 9, 6366-6371.	0.9	22
8	The Effects of Ti Carbonization on the Nucleation and Oriented Growth of Diamond Films on Cemented Carbide. ACS Applied Materials & Interfaces, 2014, 6, 4669-4677.	8.0	21
9	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. Journal of Colloid and Interface Science, 2022, 626, 608-618.	9.4	21
10	Active control of hydraulic oil contamination to extend the service life of aviation hydraulic system. International Journal of Advanced Manufacturing Technology, 2018, 96, 1693-1704.	3.0	19
11	A tribological study of tetrahedral amorphous carbon films prepared by filtered cathodic vacuum arc technique. Vacuum, 2004, 75, 231-236.	3.5	18
12	Preparation of boron-doped diamond foam film for supercapacitor applications. Applied Surface Science, 2020, 506, 144645.	6.1	18
13	Comparison of human mesenchymal stem cells proliferation and differentiation on poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock Biomaterials Applications, 2016, 30, 722-731.	2.4	17
14	Influence of pore size of Ti substrate on structural and capacitive properties of Ti/boron doped diamond electrode. Journal of Alloys and Compounds, 2019, 777, 84-93.	5.5	15
15	Influence of Silver Incorporation on Toughness Improvement of Diamond-Like Carbon Film Prepared by Ion Beam Assisted Deposition. Journal of Adhesion, 2013, 89, 578-593.	3.0	14
16	Exploring tribological behaviour of diamond film by hot-filament chemical vapour deposition on tungsten carbide for lunar exploration. Vacuum, 2014, 100, 41-45.	3.5	13
17	Mechanical and biomedical properties of copper-containing diamond-like carbon films on magnesium alloys. Journal of Materials Chemistry B, 2013, 1, 4773.	5.8	11
18	Investigation of thick CVD diamond film with SiC interlayer on tungsten carbide for possible usage in geologic explorations. Vacuum, 2013, 94, 53-56.	3.5	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	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
23	Effect of additive on zinc electrodeposition in acidic bath. <i>Surface Engineering</i> , 2015, 31, 446-451.	2.2	8
24	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
25	Synthesis of transfer-free graphene on cemented carbide surface. <i>Scientific Reports</i> , 2018, 8, 4759.	3.3	7
26	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
27	Influence of chromium buffer layer on Cr/Ta-C composite films. <i>Surface Engineering</i> , 2013, 29, 276-280.	2.2	6
28	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
29	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
30	Improving vibrator structure to eliminate vibration noise. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 96, 1741-1747.	3.0	5
31	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
32	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
33	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
34	Attempting AG-Doped Diamond-Like Carbon Film to Improve Seal Performance of Hydraulic Servo-Actuator. <i>Materials</i> , 2020, 13, 2618.	2.9	5
35	Enhancing the hardness of arc-ion-plated nanocrystallite TiN films. <i>Nanotechnology</i> , 2007, 18, 355710.	2.6	4
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	Exploring wear detection method for special drilling parts in liquid media. International Journal of Refractory Metals and Hard Materials, 2016, 61, 249-258.	3.8	4
38	Influence of parameters on Al/Ti-DLC/DLC selective absorber film. Surface Engineering, 2017, 33, 827-834.	2.2	3
39	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. Materials, 2018, 11, 1745.	2.9	3
40	Low-temperature $\text{I}^2\text{-SiC}$ interlayer for diamond film on cemented carbide. Surface Engineering, 2019, 35, 483-490.	2.2	2
41	Influence of ALD- Al_2O_3 film on anti-scratch and anti-tarnish of silver. Surface Engineering, 2021, 37, 490-496.	2.2	2
42	Influence of three classic chromium-based transitions on the behavior of film/substrate interface in diamond-like carbon films. Applied Physics Letters, 2013, 103, 231607.	3.3	1
43	ADHERENT NANO-SUPERHARD TITANIUM NITRIDE FILM AND ITS FORMING MECHANISM IN MULTI-ARC ION-PLATING SYSTEM. Surface Review and Letters, 2007, 14, 789-793.	1.1	0
44	Design of a microbial contamination detector and analysis of error sources in its optical path. Pakistan Journal of Pharmaceutical Sciences, 2014, 27, 671-7.	0.2	0
45	Nano-TiO ₂ film enables silver artefacts to regenerate. Bulletin of Materials Science, 2022, 45, .	1.7	0