

Hanshan Dong

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6819152/publications.pdf>

Version: 2024-02-01

43
papers

1,056
citations

346980

22
h-index

488211

31
g-index

43
all docs

43
docs citations

43
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	3D Printing Processability of a Thermally Conductive Compound Based on Carbon Nanofiller-Modified Thermoplastic Polyamide 12. <i>Polymers</i> , 2022, 14, 470.	2.0	7
2	Active-screen plasma surface multi-functionalisation of biopolymers and carbon-based materials – An overview. <i>Surface and Coatings Technology</i> , 2022, 442, 128188.	2.2	10
3	Enhancement and Evaluation of Interfacial Adhesion between Active Screen Plasma Surface-Functionalised Carbon Fibres and the Epoxy Substrate. <i>Polymers</i> , 2022, 14, 824.	2.0	0
4	Plasma-enabled synthesis and modification of advanced materials for electrochemical energy storage. <i>Energy Storage Materials</i> , 2022, 50, 161-185.	9.5	28
5	Active-screen plasma multi-functionalization of graphene oxide for supercapacitor application. <i>Journal of Materials Science</i> , 2021, 56, 3296-3311.	1.7	14
6	Development of surfaces with antibacterial durability through combined S phase plasma hardening and athermal femtosecond laser texturing. <i>Applied Surface Science</i> , 2021, 565, 150594.	3.1	14
7	The Impact of Carbon Nanofibres on the Interfacial Properties of CFRPs Produced with Sized Carbon Fibres. <i>Polymers</i> , 2021, 13, 3457.	2.0	7
8	Effect of Plasma Modification on the Wettability and the Ageing Behaviour of Glass Fibre Reinforced Polyamide 6 (GFPA6). <i>Materials</i> , 2021, 14, 7721.	1.3	5
9	Synthesis and in-vitro antibacterial properties of the novel Ag wires reinforced carbon based composite coatings. <i>Applied Surface Science</i> , 2020, 517, 146207.	3.1	3
10	Enhanced properties of PAN-derived carbon fibres and resulting composites by active screen plasma surface functionalisation. <i>Plasma Processes and Polymers</i> , 2020, 17, 1900252.	1.6	18
11	Multistep active screen plasma co-alloying the treatment of metallic bipolar plates. <i>Surface Engineering</i> , 2020, 36, 539-546.	1.1	7
12	A study on the effect of ultrashort pulsed laser texturing on the microstructure and properties of metastable S phase layer formed on AISI 316L surfaces. <i>Applied Surface Science</i> , 2020, 511, 145557.	3.1	11
13	Evaluation of the creep behaviour of the carbon fibre in an unidirectional pultruded reinforced composite using nano-indentation technique. <i>Polymer Testing</i> , 2019, 80, 106091.	2.3	9
14	Synthesis and in-vitro antibacterial properties of a functionally graded Ag impregnated composite surface. <i>Materials Science and Engineering C</i> , 2019, 99, 150-158.	3.8	7
15	Tribological performance of surface engineered low-cost beta titanium alloy. <i>Wear</i> , 2019, 426-427, 952-960.	1.5	14
16	Plasma Surface Functionalization of Carbon Nanofibres with Silver, Palladium and Platinum Nanoparticles for Cost-Effective and High-Performance Supercapacitors. <i>Micromachines</i> , 2019, 10, 2.	1.4	19
17	Study on the carbon nanotubes reinforced nanocomposite coatings. <i>Diamond and Related Materials</i> , 2019, 91, 247-254.	1.8	12
18	Response of a molybdenum alloy to plasma nitriding. <i>International Journal of Refractory Metals and Hard Materials</i> , 2018, 72, 388-395.	1.7	8

#	ARTICLE	IF	CITATIONS
19	Nitrogen mass transfer and surface layer formation during the active screen plasma nitriding of austenitic stainless steels. <i>Vacuum</i> , 2018, 148, 224-229.	1.6	36
20	Effect of pulse frequency on the one-step preparation of superhydrophobic surface by pulse electrodeposition. <i>Applied Surface Science</i> , 2018, 458, 603-611.	3.1	43
21	Viscoelastic response of carbon fibre reinforced polymer during push-out tests. <i>Composites Part A: Applied Science and Manufacturing</i> , 2018, 112, 178-185.	3.8	16
22	Surface functionalization of carbon fibers with active screen plasma. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2017, 35, .	0.9	24
23	Effect of microstructure on the plasma surface treatment of carbon fibres. <i>Journal of Composite Materials</i> , 2017, 51, 3239-3256.	1.2	17
24	A novel hybrid method combining ASP with PECVD for in - situ low temperature synthesis of vertically aligned carbon nanotube films. <i>Diamond and Related Materials</i> , 2017, 77, 16-24.	1.8	8
25	Carbon Nanofibers Functionalized with Active Screen Plasma-Deposited Metal Nanoparticles for Electrical Energy Storage Devices. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 23195-23201.	4.0	24
26	Surface modification of 316 stainless steel with platinum for the application of bipolar plates in high performance proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2017, 42, 2338-2348.	3.8	38
27	Sliding friction and wear behaviour of Titanium-Zirconium-Molybdenum (TZM) alloy against Al ₂ O ₃ and Si ₃ N ₄ balls under several environments and temperatures. <i>Tribology International</i> , 2017, 110, 348-357.	3.0	24
28	The effect of active screen plasma treatment conditions on the growth and performance of Pt nanowire catalyst layer in DMFCs. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 7622-7630.	3.8	26
29	Plasma-nitriding and characterization of FeAl ₄₀ iron aluminide. <i>Acta Materialia</i> , 2015, 86, 341-351.	3.8	32
30	Active screen plasma surface co-alloying of 316 austenitic stainless steel with both nitrogen and niobium for the application of bipolar plates in proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 10281-10292.	3.8	36
31	Active screen plasma surface co-alloying treatments of 316 stainless steel with nitrogen and silver for fuel cell bipolar plates. <i>Surface and Coatings Technology</i> , 2015, 283, 122-128.	2.2	35
32	Reducing and multiple-element doping of graphene oxide using active screen plasma treatments. <i>Carbon</i> , 2015, 95, 338-346.	5.4	24
33	Active screen plasma nitriding of 316 stainless steel for the application of bipolar plates in proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 21470-21479.	3.8	56
34	Plasma nitriding induced growth of Pt-nanowire arrays as high performance electrocatalysts for fuel cells. <i>Scientific Reports</i> , 2014, 4, 6439.	1.6	33
35	Surface modification of a medical grade Co-Cr-Mo alloy by low-temperature plasma surface alloying with nitrogen and carbon. <i>Surface and Coatings Technology</i> , 2013, 232, 906-911.	2.2	43
36	Active screen plasma nitriding enhances cell attachment to polymer surfaces. <i>Applied Surface Science</i> , 2013, 273, 787-798.	3.1	25

#	ARTICLE	IF	CITATIONS
37	Characterization of active screen plasma modified polyurethane surfaces. Surface and Coatings Technology, 2012, 206, 4799-4807.	2.2	29
38	Active screen plasma surface modification of polycaprolactone to improve cell attachment. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2012, 100B, 314-320.	1.6	30
39	EBSD and AFM observations of the microstructural changes induced by low temperature plasma carburising on AISI 316. Applied Surface Science, 2011, 258, 608-613.	3.1	25
40	Evaluation of the biocompatibility of S-phase layers on medical grade austenitic stainless steels. Journal of Materials Science: Materials in Medicine, 2011, 22, 1269-1278.	1.7	29
41	A study of low temperature mechanical properties and creep behaviour of polypropylene using a new sub-ambient temperature nanoindentation test platform. Journal Physics D: Applied Physics, 2010, 43, 425404.	1.3	23
42	Study of active screen plasma processing conditions for carburising and nitriding austenitic stainless steel. Surface and Coatings Technology, 2009, 203, 3669-3675.	2.2	62
43	On the fundamental mechanisms of active screen plasma nitriding. Vacuum, 2009, 84, 321-325.	1.6	125