

Erjia Liu

List of Publications by Year in descending order

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181
papers

6,195
citations

61977

43
h-index

95259

68
g-index

188
all docs

188
docs citations

188
times ranked

5834
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropy and heterogeneity of microstructure and mechanical properties in metal additive manufacturing: A critical review. <i>Materials and Design</i> , 2018, 139, 565-586.	7.0	913
2	Development of Sol-gel Superhydrophobic Coatings: Effect of Surface Roughness and Surface Energy. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 20685-20692.	8.0	146
3	Calibration procedures for frictional measurements with a lateral force microscope. <i>Wear</i> , 1996, 192, 141-150.	3.1	127
4	EIS capacitance diagnosis of nanoporosity effect on the corrosion protection of DLC films. <i>Diamond and Related Materials</i> , 2002, 11, 160-168.	3.9	117
5	Release of theophylline from polymer blend hydrogels. <i>International Journal of Pharmaceutics</i> , 2005, 298, 117-125.	5.2	110
6	Process parameter optimization and mechanical properties for additively manufactured stainless steel 316L parts by selective electron beam melting. <i>Materials and Design</i> , 2018, 147, 157-166.	7.0	108
7	Glassy carbon electrode modified by conductive polyaniline coating for determination of trace lead and cadmium ions in acetate buffer solution. <i>Thin Solid Films</i> , 2011, 519, 5285-5289.	1.8	95
8	Comparative study between macrotribology and nanotribology. <i>Journal of Applied Physics</i> , 1998, 84, 4859-4865.	2.5	82
9	Ni doped ZnO thin films for diluted magnetic semiconductor materials. <i>Current Applied Physics</i> , 2008, 8, 408-411.	2.4	81
10	Stripping Voltammetric Analysis of Heavy Metals at Nitrogen Doped Diamond-Like Carbon Film Electrodes. <i>Electroanalysis</i> , 2002, 14, 1294-1298.	2.9	77
11	Corrosion behavior of nitrogen doped diamond-like carbon thin films in NaCl solutions. <i>Corrosion Science</i> , 2009, 51, 2158-2164.	6.6	73
12	Transport of vacuum arc plasma through an off-plane double bend filtering duct. <i>Thin Solid Films</i> , 1999, 345, 1-6.	1.8	72
13	Porous polyaniline/carbon nanotube composite electrode for supercapacitors with outstanding rate capability and cyclic stability. <i>Composites Part B: Engineering</i> , 2019, 165, 671-678.	12.0	72
14	Cyclic Voltammetry Studies of Sputtered Nitrogen Doped Diamond-Like Carbon Film Electrodes. <i>Electroanalysis</i> , 2002, 14, 1110-1115.	2.9	70
15	Mechanical and tribological properties of epoxy matrix composites modified with microencapsulated mixture of wax lubricant and multi-walled carbon nanotubes. <i>Friction</i> , 2013, 1, 341-349.	6.4	70
16	Properties of nitrogen doped tetrahedral amorphous carbon films prepared by filtered cathodic vacuum arc technique. <i>Journal of Non-Crystalline Solids</i> , 1998, 242, 40-48.	3.1	68
17	A review on the importance of surface coating of micro/nano-mold in micro/nano-molding processes. <i>Journal of Micromechanics and Microengineering</i> , 2016, 26, 013002.	2.6	63
18	Effect of coating thickness on microstructure, mechanical properties and fracture behaviour of cold sprayed Ti6Al4V coatings on Ti6Al4V substrates. <i>Surface and Coatings Technology</i> , 2018, 349, 303-317.	4.8	63

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19	Effects of working gas on wear and corrosion resistances of cold sprayed Ti-6Al-4V coatings. <i>Surface and Coatings Technology</i> , 2016, 302, 1-12.	4.8	60
20	Effects of Traverse Scanning Speed of Spray Nozzle on the Microstructure and Mechanical Properties of Cold-Sprayed Ti6Al4V Coatings. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1484-1497.	3.1	60
21	Carbide precipitation characteristics in additive manufacturing of Co-Cr-Mo alloy via selective electron beam melting. <i>Scripta Materialia</i> , 2018, 143, 117-121.	5.2	60
22	Tribological performance of silicone composite coatings filled with wax-containing microcapsules. <i>Wear</i> , 2012, 296, 575-582.	3.1	59
23	A fundamental study of chromium deposition and poisoning at $(La_{0.8}Sr_{0.2})_{0.95}(Mn_{1-x}Co_x)O_{3\pm\delta}$ ($0.0\% \leq x \leq 10.0\%$). <i>J. Electroanal. Chem.</i> 711, 107843 (2016).	7.1	58
24	Phase transformations in plasma sprayed hydroxyapatite coatings. <i>Scripta Materialia</i> , 1999, 42, 103-109.	5.2	57
25	Deposition characteristics of cold sprayed Inconel 718 particles on Inconel 718 substrates with different surface conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 720, 75-84.	5.6	57
26	Linear sweep anodic stripping voltammetry of heavy metals from nitrogen doped tetrahedral amorphous carbon thin films. <i>Electrochimica Acta</i> , 2009, 54, 2890-2898.	5.2	56
27	Bismuth/Polyaniline/Glassy Carbon Electrodes Prepared with Different Protocols for Stripping Voltammetric Determination of Trace Cd and Pb in Solutions Having Surfactants. <i>Electroanalysis</i> , 2010, 22, 209-215.	2.9	56
28	Ice nucleation behaviour on sol-gel coatings with different surface energy and roughness. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21492-21500.	2.8	55
29	Ultraviolet and visible Raman studies of nitrogenated tetrahedral amorphous carbon films. <i>Thin Solid Films</i> , 2000, 366, 169-174.	1.8	54
30	Effect of substrate surface condition on fatigue behavior of cold sprayed Ti6Al4V coatings. <i>Surface and Coatings Technology</i> , 2017, 320, 452-457.	4.8	54
31	Adhesion, tribological and corrosion properties of cold-sprayed CoCrMo and Ti6Al4V coatings on 6061-T651 Al alloy. <i>Surface and Coatings Technology</i> , 2017, 326, 291-298.	4.8	54
32	Nitrogenated diamond-like carbon films for metal tracing. <i>Surface and Coatings Technology</i> , 2005, 198, 189-193.	4.8	53
33	Low temperature and deformation-free bonding of PMMA microfluidic devices with stable hydrophilicity via oxygen plasma treatment and PVA coating. <i>RSC Advances</i> , 2015, 5, 8377-8388.	3.6	53
34	Understanding the microstructural evolution of cold sprayed Ti-6Al-4V coatings on Ti-6Al-4V substrates. <i>Applied Surface Science</i> , 2018, 459, 492-504.	6.1	52
35	Impedance study on electrochemical characteristics of sputtered DLC films. <i>Thin Solid Films</i> , 2003, 426, 258-264.	1.8	50
36	Post-Process Treatments on Supersonic Cold Sprayed Coatings: A Review. <i>Coatings</i> , 2020, 10, 123.	2.6	50

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37	Glassy carbon electrode coated with polyaniline-functionalized carbon nanotubes for detection of trace lead in acetate solution. <i>Thin Solid Films</i> , 2011, 519, 5280-5284.	1.8	49
38	Reduced graphene oxide decorated with tin nanoparticles through electrodeposition for simultaneous determination of trace heavy metals. <i>Electrochimica Acta</i> , 2015, 174, 207-214.	5.2	49
39	Anisotropic microstructure and mechanical properties of additively manufactured Co-Cr-Mo alloy using selective electron beam melting for orthopedic implants. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 765, 138270.	5.6	49
40	Electrochemical performance of diamond-like carbon thin films. <i>Thin Solid Films</i> , 2008, 516, 5201-5205.	1.8	47
41	Microstructure and Wear Properties of Electron Beam Melted Ti-6Al-4V Parts: A Comparison Study against As-Cast Form. <i>Metals</i> , 2016, 6, 284.	2.3	47
42	Graphene ultrathin film electrodes modified with bismuth nanoparticles and polyaniline porous layers for detection of lead and cadmium ions in acetate buffer solutions. <i>Thin Solid Films</i> , 2013, 544, 362-367.	1.8	45
43	Glassy carbon electrode modified by graphene-gold nanocomposite coating for detection of trace lead ions in acetate buffer solution. <i>Thin Solid Films</i> , 2015, 584, 85-89.	1.8	45
44	Effect of lattice mismatch on chemical ordering of epitaxial L10 FePt films. <i>Journal of Applied Physics</i> , 2005, 97, 10H303.	2.5	44
45	Direct electrochemical response of glucose at nickel-doped diamond like carbon thin film electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2009, 627, 51-57.	3.8	44
46	Electron field emission properties of tetrahedral amorphous carbon films. <i>Journal of Applied Physics</i> , 1999, 85, 6816-6821.	2.5	43
47	Structure and corrosion behavior of platinum/ruthenium/nitrogen doped diamondlike carbon thin films. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	42
48	Wear and Corrosion Resistance of Thick Ti-6Al-4V Coating Deposited on Ti-6Al-4V Substrate via High-Pressure Cold Spray. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 1393-1407.	3.1	42
49	Mechanical, tribological and biological properties of novel 45S5 Bioglass® composites reinforced with in situ reduced graphene oxide. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 65, 77-89.	3.1	42
50	Micro-Raman spectroscopic analysis of tetrahedral amorphous carbon films deposited under varying conditions. <i>Journal of Applied Physics</i> , 1999, 86, 6078-6083.	2.5	41
51	Non-enzymatic hydrogen peroxide detection using gold nanoclusters-modified phosphorus incorporated tetrahedral amorphous carbon electrodes. <i>Electrochimica Acta</i> , 2010, 55, 1971-1977.	5.2	41
52	Residual stresses in single particle splat of metal cold spray process – Numerical simulation and direct measurement. <i>Materials Letters</i> , 2018, 230, 152-156.	2.6	41
53	Tribological behaviour of different diamond-like carbon materials. <i>Surface and Coatings Technology</i> , 1998, 106, 72-80.	4.8	40
54	The effect of nitrogen on the mechanical properties of tetrahedral amorphous carbon films deposited with a filtered cathodic vacuum arc. <i>Surface and Coatings Technology</i> , 1999, 120-121, 601-606.	4.8	40

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55	Residual stresses of diamond and diamondlike carbon films. <i>Journal of Applied Physics</i> , 2005, 98, 073515.	2.5	40
56	Influence of humidity on the friction of diamond and diamond-like carbon materials. <i>Tribology International</i> , 2007, 40, 216-219.	5.9	40
57	Anti-sticking behavior of DLC-coated silicon micro-molds. <i>Journal of Micromechanics and Microengineering</i> , 2009, 19, 105025.	2.6	40
58	Micro-DSC and Rheological Studies of Interactions between Methylcellulose and Surfactants. <i>Journal of Physical Chemistry B</i> , 2007, 111, 6410-6416.	2.6	39
59	Effects of SDS on the sol-gel transition of methylcellulose in water. <i>Polymer</i> , 2006, 47, 1372-1378.	3.8	38
60	Cyclic Voltammetric Behavior of Nitrogen-Doped Tetrahedral Amorphous Carbon Films Deposited by Filtered Cathodic Vacuum Arc. <i>Electroanalysis</i> , 2008, 20, 1851-1856.	2.9	38
61	Effects of rapid thermal annealing on structural, magnetic and optical properties of Ni-doped ZnO thin films. <i>Current Applied Physics</i> , 2012, 12, 834-840.	2.4	37
62	A highly bendable transparent electrode for organic electrochromic devices. <i>Organic Electronics</i> , 2019, 66, 86-93.	2.6	36
63	Improvement of densification and microstructure of ASTM A131 EH36 steel samples additively manufactured via selective laser melting with varying laser scanning speed and hatch spacing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 746, 300-313.	5.6	36
64	Structure, scratch resistance and corrosion performance of nickel doped diamond-like carbon thin films. <i>Surface and Coatings Technology</i> , 2010, 204, 3125-3130.	4.8	35
65	Improving microstructural and mechanical characteristics of cold-sprayed Inconel 718 deposits via local induction heat treatment. <i>Journal of Alloys and Compounds</i> , 2019, 797, 1268-1279.	5.5	35
66	Nitrogenated tetrahedral amorphous carbon films prepared by ion-beam-assisted filtered cathodic vacuum arc technique for solar cells application. <i>Applied Physics Letters</i> , 1998, 73, 2473-2475.	3.3	34
67	Wear behaviour of martensitic NiTi shape memory alloy under ball-on-disk sliding tests. <i>Tribology International</i> , 2013, 66, 219-224.	5.9	34
68	Mechanical and tribological properties of Zr-based bulk metallic glass for sports applications. <i>Materials and Design</i> , 2016, 92, 667-673.	7.0	34
69	Effects of substrate temperature on the properties of tetrahedral amorphous carbon films. <i>Thin Solid Films</i> , 1999, 346, 155-161.	1.8	31
70	Effects of deep cryogenic treatment on mechanical and tribological properties of AISI D3 tool steel. <i>Friction</i> , 2015, 3, 234-242.	6.4	31
71	Synthesis and characterization of iron-based alloy nanoparticles for magnetorheological fluids. <i>Journal of Magnetism and Magnetic Materials</i> , 2008, 320, 2030-2038.	2.3	30
72	Carbon nanotube/polypropylene composite particles for microwave welding. <i>Journal of Applied Polymer Science</i> , 2012, 126, E283.	2.6	30

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73	Influence of Particle Velocity When Propelled Using N ₂ or N ₂ -He Mixed Gas on the Properties of Cold-Sprayed Ti6Al4V Coatings. <i>Coatings</i> , 2018, 8, 327.	2.6	30
74	Tribochemical Characterization and Tribocorrosive Behavior of CoCrMo Alloys: A Review. <i>Materials</i> , 2018, 11, 30.	2.9	30
75	Performance and carbon deposition over Pd nanoparticle catalyst promoted Ni/GDC anode of SOFCs in methane, methanol and ethanol fuels. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15301-15310.	7.1	29
76	Mechanical and Tribological Properties of Cold-Sprayed Ti Coatings on Ti-6Al-4V Substrates. <i>Journal of Thermal Spray Technology</i> , 2016, 25, 715-724.	3.1	29
77	Replication performance of Si-N-DLC-coated Si micro-molds in micro-hot-embossing. <i>Journal of Micromechanics and Microengineering</i> , 2010, 20, 045007.	2.6	28
78	Performance and stability of La _{0.8} Sr _{0.2} MnO ₃ cathode promoted with palladium based catalysts in solid oxide fuel cells. <i>Journal of Alloys and Compounds</i> , 2011, 509, 4781-4787.	5.5	28
79	Microstructure, mechanical and tribological properties of cold sprayed Ti6Al4V/CoCr composite coatings. <i>Composites Part B: Engineering</i> , 2020, 202, 108280.	12.0	28
80	Thermal, mechanical and tribological properties of polycarbonate/acrylonitrile-butadiene-styrene blends. <i>Journal of Polymer Engineering</i> , 2013, 33, 535-543.	1.4	27
81	Tribological behavior of cold sprayed Inconel 718 coatings at room and elevated temperatures. <i>Surface and Coatings Technology</i> , 2020, 385, 125386.	4.8	27
82	Modification of tetrahedral amorphous carbon film by concurrent Ar ion bombardment during deposition. <i>Surface and Coatings Technology</i> , 1998, 105, 91-96.	4.8	26
83	Graphene ultrathin film electrode for detection of lead ions in acetate buffer solution. <i>Talanta</i> , 2013, 103, 47-55.	5.5	26
84	Investigation of structure, adhesion strength, wear performance and corrosion behavior of platinum/ruthenium/nitrogen doped diamond-like carbon thin films with respect to film thickness. <i>Materials Chemistry and Physics</i> , 2011, 126, 220-226.	4.0	25
85	Tribological behavior of Zr-based bulk metallic glass sliding against polymer, ceramic, and metal materials. <i>Intermetallics</i> , 2015, 61, 1-8.	3.9	25
86	Effect of Substrate Surface Roughness on Microstructure and Mechanical Properties of Cold-Sprayed Ti6Al4V Coatings on Ti6Al4V Substrates. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 1959-1973.	3.1	25
87	Thermal decomposition kinetics of multiwalled carbon nanotube/polypropylene nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 117, 63-71.	3.6	24
88	Evaluation of cold sprayed graphene nanoplates/Inconel 718 composite coatings. <i>Surface and Coatings Technology</i> , 2019, 378, 125065.	4.8	24
89	Revealing competitive columnar grain growth behavior and periodic microstructural banding in additively manufactured Ti-6Al-4V parts by selective electron beam melting. <i>Materialia</i> , 2019, 7, 100365.	2.7	24
90	Electrical behaviour of metal/tetrahedral amorphous carbon/metal structure. <i>Solid-State Electronics</i> , 1999, 43, 427-434.	1.4	23

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91	Characterization of ta-C films prepared by a two-step filtered vacuum arc deposition technique. Surface and Coatings Technology, 2000, 127, 246-250.	4.8	23
92	High rate deposition of diamond-like carbon films by magnetically enhanced plasma CVD. Thin Solid Films, 1999, 355-356, 146-150.	1.8	22
93	Tribological Behavior of Polyurethane Immersed in Acidic Solution. Tribology Transactions, 2012, 55, 401-408.	2.0	22
94	Tribological behaviour and internal stress of diamond coating deposited with a stationary d.c. plasma jet. Surface and Coatings Technology, 1996, 80, 264-270.	4.8	21
95	Structural and magnetic properties of nanostructured FePt/MgO granular films. Thin Solid Films, 2005, 474, 141-145.	1.8	21
96	Influence of carbon sputtering power on structure, corrosion resistance, adhesion strength and wear resistance of platinum/ruthenium/nitrogen doped diamond-like carbon thin films. Surface and Coatings Technology, 2010, 205, 853-860.	4.8	21
97	Effect of Heat Treatment Temperature on Microstructure and Mechanical and Tribological Properties of Cold Sprayed Ti-6Al-4V Coatings. Tribology Transactions, 2017, 60, 1033-1042.	2.0	21
98	Structural properties of amorphous silicon-carbon films deposited by the filtered cathodic vacuum arc technique. Journal of Physics Condensed Matter, 1999, 11, 5111-5118.	1.8	20
99	Dependence of microstructure and magnetic properties of FePt films on Cr90Ru10 underlayers. Journal of Magnetism and Magnetic Materials, 2005, 285, 443-449.	2.3	20
100	Graphene thin film electrodes synthesized by thermally treating co-sputtered nickel-carbon mixed layers for detection of trace lead, cadmium and copper ions in acetate buffer solutions. Thin Solid Films, 2013, 544, 341-347.	1.8	20
101	Stress relief of tetrahedral amorphous carbon films by post-deposition thermal annealing. Surface and Coatings Technology, 1999, 120-121, 448-452.	4.8	19
102	Effect of substrate temperature on corrosion performance of nitrogen doped amorphous carbon thin films in NaCl solution. Thin Solid Films, 2009, 517, 4762-4766.	1.8	19
103	Coupled Eulerian-Lagrangian (CEL) simulation of multiple particle impact during Metal Cold Spray process for coating porosity prediction. Surface and Coatings Technology, 2020, 385, 125433.	4.8	19
104	An investigation into microstructure, tribological and mechanical properties of cold sprayed Inconel 625 coatings. Surface and Coatings Technology, 2021, 424, 127660.	4.8	19
105	L10 FePt films epitaxially grown on MgO substrates with or without a Cr underlayer. Journal of Magnetism and Magnetic Materials, 2006, 303, e238-e242.	2.3	18
106	Improvement in lifetime and replication quality of Si micromold using N:DLC:Ni coatings for microfluidic devices. Sensors and Actuators B: Chemical, 2010, 150, 174-182.	7.8	18
107	Structural and magnetic properties of FePt films grown on Cr1-xMox underlayers. Applied Physics A: Materials Science and Processing, 2005, 81, 1485-1490.	2.3	17
108	Nanogranular FePt:C Composite Films for Perpendicular Recording. IEEE Transactions on Magnetics, 2006, 42, 2363-2365.	2.1	17

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109	Non-enzymatic glucose detection using nitrogen-doped diamond-like carbon electrodes modified with gold nanoclusters. <i>Pure and Applied Chemistry</i> , 2010, 82, 2217-2229.	1.9	17
110	Strategy of incorporating Ni-based braze alloy in cold sprayed Inconel 718 coating. <i>Surface and Coatings Technology</i> , 2019, 358, 1006-1012.	4.8	17
111	Correlation between the macroscopic adhesion strength of cold spray coating and the microscopic single-particle bonding behaviour: Simulation, experiment and prediction. <i>Applied Surface Science</i> , 2021, 547, 149165.	6.1	17
112	Hard coatings under vibrational contact conditions. <i>Surface and Coatings Technology</i> , 1995, 74-75, 953-958.	4.8	16
113	Epitaxial L10 FePt films on SrTiO3 (100) by sputtering. <i>Journal of Crystal Growth</i> , 2005, 276, 111-115.	1.5	15
114	On the heat-treatment induced evolution of residual stress and remarkable enhancement of adhesion strength of cold sprayed Ti-6Al-4V coatings. <i>Results in Materials</i> , 2020, 7, 100119.	1.8	15
115	Large size nitrogen-doped graphene-coated graphite for high performance lithium-ion battery anode. <i>RSC Advances</i> , 2016, 6, 104010-104015.	3.6	14
116	Fretting friction and wear of polycrystalline diamond coatings. <i>Diamond and Related Materials</i> , 1996, 5, 649-653.	3.9	13
117	Structure, Adhesive Strength and Electrochemical Performance of Nitrogen Doped Diamond-Like Carbon Thin Films Deposited via DC Magnetron Sputtering. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4752-4757.	0.9	13
118	Corrosion Behavior of Aluminum Doped Diamond-Like Carbon Thin Films in NaCl Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 4767-4772.	0.9	13
119	Enhancement of adhesion strength and corrosion resistance of nitrogen or platinum/ruthenium/nitrogen doped diamond-like carbon thin films by platinum/ruthenium underlayer. <i>Diamond and Related Materials</i> , 2010, 19, 1065-1072.	3.9	13
120	Thermal, mechanical and tribological properties of polyamide 6 matrix composites containing different carbon nanofillers. <i>Journal of Polymer Engineering</i> , 2015, 35, 367-376.	1.4	13
121	Wear performance of Y-doped nanolayered CrN/AlN coatings. <i>Surface and Coatings Technology</i> , 2019, 367, 349-357.	4.8	13
122	A Review on Electrospun Nanofibers-based Electrochemical Sensor. <i>Current Nanoscience</i> , 2015, 11, 710-721.	1.2	13
123	Investigation of corrosion behavior of nitrogen doped and platinum/ruthenium doped diamond-like carbon thin films in Hank's solution. <i>Materials Science and Engineering C</i> , 2011, 31, 1539-1544.	7.3	12
124	Inconel 713C Coating by Cold Spray for Surface Enhancement of Inconel 718. <i>Metals</i> , 2021, 11, 2048.	2.3	12
125	Heat treatment of tetrahedral amorphous carbon films grown by filtered cathodic vacuum-arc technique. <i>Diamond and Related Materials</i> , 1999, 8, 1328-1332.	3.9	11
126	STRUCTURAL AND MECHANICAL PROPERTIES OF AMORPHOUS SILICON-CARBON ALLOY FILMS DEPOSITED BY FILTERED CATHODIC VACUUM ARC TECHNIQUE. <i>International Journal of Modern Physics B</i> , 2000, 14, 315-320.	2.0	11

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127	Photografting of argon plasma-treated graphite/PEEK laminate to enhance its adhesion. <i>Journal of Adhesion Science and Technology</i> , 2002, 16, 1883-1900.	2.6	11
128	<I>In Situ</I> Synthesis and Characterization of Multi-walled Carbon Nanotube/Prussian Blue Nanocomposite Materials and Application. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 4453-4460.	0.9	11
129	Effects of platinum content on tribological properties of platinum/nitrogen doped diamond-like carbon thin films deposited via magnetron sputtering. <i>Friction</i> , 2014, 2, 64-72.	6.4	11
130	Effects of Nd:YAG Laser Surface Treatment on Tribological Properties of Cold-Sprayed Ti-6Al-4V Coatings Tested against 100Cr6 Steel under Dry Condition. <i>Tribology Transactions</i> , 2019, 62, 391-402.	2.0	11
131	Influence of surface porosity on fatigue life of additively manufactured ASTM A131 EH36 steel. <i>International Journal of Fatigue</i> , 2021, 142, 105894.	5.7	11
132	Tribological Properties of Three-Dimensionally Printed Ti-6Al-4V Material Via Electron Beam Melting Process Tested Against 100Cr6 Steel Without and With Hank's Solution. <i>Journal of Tribology</i> , 2018, 140, .	1.9	10
133	A study on frictional behavior of PMMA against FDTS coated silicon as a function of load, velocity and temperature. <i>Tribology International</i> , 2016, 102, 44-51.	5.9	9
134	Nanometer-scale precipitations in a selective electron beam melted nickel-based superalloy. <i>Scripta Materialia</i> , 2021, 194, 113661.	5.2	9
135	Investigation on work softening behavior of aluminum and its alloys with iron. <i>Journal of Materials Engineering and Performance</i> , 1997, 6, 172-176.	2.5	8
136	Electron field emission from nitrogenated tetrahedral amorphous carbon investigated by current imaging tunneling spectroscopy. <i>Applied Surface Science</i> , 1999, 143, 309-312.	6.1	8
137	Hot-embossing performance of silicon micromold coated with self-assembled n-octadecyltrichlorosilane. <i>Sensors and Actuators B: Chemical</i> , 2011, 160, 207-214.	7.8	8
138	Effect of sputtering power on friction coefficient and surface energy of co-sputtered titanium and molybdenum disulfide coatings and its performance in micro hot-embossing. <i>Microsystem Technologies</i> , 2014, 20, 1069-1078.	2.0	8
139	Tribological Behavior of Nickel-Doped Diamond-Like Carbon Thin Films Prepared on Silicon Substrates via Magnetron Sputtering Deposition. <i>Tribology Transactions</i> , 2016, 59, 845-855.	2.0	8
140	Fatigue behavior of ASTM A131 EH36 steel samples additively manufactured with selective laser melting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 777, 139049.	5.6	8
141	Nanostructure Restoration of Thermally Reduced Graphene Oxide Electrode upon Incorporation of Nafion for Detection of Trace Heavy Metals in Aqueous Solution. <i>Electroanalysis</i> , 2016, 28, 2037-2043.	2.9	7
142	Enhancing electrical and tribological properties of poly(methyl methacrylate) matrix nanocomposite films by co-incorporation of multiwalled carbon nanotubes and silicon dioxide microparticles. <i>Journal of Polymer Engineering</i> , 2016, 36, 23-30.	1.4	7
143	Cold Spray of Nickel-Based Alloy Coating on Cast Iron for Restoration and Surface Enhancement. <i>Coatings</i> , 2022, 12, 765.	2.6	7
144	Influence of hydrogen on the structure and properties of tetrahedral amorphous carbon films obtained by the filtered cathodic vacuum arc technique. <i>The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties</i> , 1999, 79, 1647-1658.	0.6	6

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145	Study of tin films by filtered cathodic vacuum arc techniques. <i>Surface Engineering</i> , 1999, 15, 33-37.	2.2	6
146	Compositional depth profile analysis of coatings on hard disks by X-ray photoelectron spectroscopy and imaging. <i>Surface and Coatings Technology</i> , 2003, 176, 93-102.	4.8	6
147	Controlling the crystallographic orientation and easy axis of magnetic anisotropy in L10 FePt films with Cu additive. <i>Surface and Coatings Technology</i> , 2005, 198, 270-273.	4.8	6
148	Stripping voltammetric behavior of nitrogen-doped tetrahedral amorphous carbon thin film electrodes in NaCl solutions. <i>Thin Solid Films</i> , 2010, 518, 4003-4009.	1.8	6
149	Nitrogen-Induced Degradation of Corrosion Resistance of Platinum/Ruthenium/Nitrogen-Doped Diamond-like Carbon Thin Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, C269.	2.9	6
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