

Hua Li

List of Publications by Year in descending order

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147
papers

4,841
citations

81839

39
h-index

118793

62
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147
all docs

147
docs citations

147
times ranked

5190
citing authors

#	ARTICLE	IF	CITATIONS
1	Biomedical titanium alloys with Young's moduli close to that of cortical bone. <i>International Journal of Energy Production and Management</i> , 2016, 3, 173-185.	1.9	241
2	Titanium dioxide reinforced hydroxyapatite coatings deposited by high velocity oxy-fuel (HVOF) spray. <i>Biomaterials</i> , 2002, 23, 85-91.	5.7	172
3	Synthesis of hydroxyapatite-reduced graphite oxide nanocomposites for biomedical applications: oriented nucleation and epitaxial growth of hydroxyapatite. <i>Journal of Materials Chemistry B</i> , 2013, 1, 1826.	2.9	164
4	Hydroxyapatite/graphene-nanosheet composite coatings deposited by vacuum cold spraying for biomedical applications: Inherited nanostructures and enhanced properties. <i>Carbon</i> , 2014, 67, 250-259.	5.4	160
5	Crystal Structure of the <i>Caenorhabditis elegans</i> Apoptosome Reveals an Octameric Assembly of CED-4. <i>Cell</i> , 2010, 141, 446-457.	13.5	154
6	Influence of surface topography on bacterial adhesion: A review (Review). <i>Biointerphases</i> , 2018, 13, 060801.	0.6	130
7	Large-scale fabrication of superhydrophobic polyurethane/nano-Al ₂ O ₃ coatings by suspension flame spraying for anti-corrosion applications. <i>Applied Surface Science</i> , 2014, 311, 864-869.	3.1	116
8	Effect of spark plasma sintering on the microstructure and in vitro behavior of plasma sprayed HA coatings. <i>Biomaterials</i> , 2003, 24, 2695-2705.	5.7	111
9	Cryoelectron Microscopy Structure of Purified β -Secretase at 12 Å... Resolution. <i>Journal of Molecular Biology</i> , 2009, 385, 642-652.	2.0	104
10	Impact formation and microstructure characterization of thermal sprayed hydroxyapatite/titania composite coatings. <i>Biomaterials</i> , 2003, 24, 949-957.	5.7	97
11	HVOF spraying of nanostructured hydroxyapatite for biomedical applications. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 396, 181-187.	2.6	95
12	Young's modulus and fracture toughness determination of high velocity oxy-fuel-sprayed bioceramic coatings. <i>Surface and Coatings Technology</i> , 2002, 155, 21-32.	2.2	75
13	Improving the wear resistance of HVOF sprayed WC-Co coatings by adding submicron-sized WC particles at the splats' interfaces. <i>Surface and Coatings Technology</i> , 2016, 285, 17-23.	2.2	75
14	Raman spectroscopy determination of phases within thermal sprayed hydroxyapatite splats and subsequent in vitro dissolution examination. <i>Acta Materialia</i> , 2004, 52, 445-453.	3.8	72
15	Properties of heat-treated calcium phosphate coatings deposited by high-velocity oxy-fuel (HVOF) spray. <i>Biomaterials</i> , 2002, 23, 2105-2112.	5.7	70
16	Decarburization mechanisms of WC-Co during thermal spraying: Insights from controlled carbon loss and microstructure characterization. <i>Materials Chemistry and Physics</i> , 2013, 142, 165-171.	2.0	70
17	Imaging spatiotemporal evolution of molecules and active sites in zeolite catalyst during methanol-to-olefins reaction. <i>Nature Communications</i> , 2020, 11, 3641.	5.8	70
18	Quaternary organization of a phytochrome dimer as revealed by cryoelectron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10872-10877.	3.3	69

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19	Structural Insights on the Mycobacterium tuberculosis Proteasomal ATPase Mpa. Structure, 2009, 17, 1377-1385.	1.6	65
20	Mg ²⁺ /Ca ²⁺ promotes the adhesion of marine bacteria and algae and enhances following biofilm formation in artificial seawater. Colloids and Surfaces B: Biointerfaces, 2016, 146, 289-295.	2.5	64
21	Mechanical properties of nanodiamond-reinforced hydroxyapatite composite coatings deposited by suspension plasma spraying. Applied Surface Science, 2018, 439, 60-65.	3.1	62
22	Significance of melt-fraction in HVOF sprayed hydroxyapatite particles, splats and coatings. Biomaterials, 2004, 25, 1177-1186.	5.7	59
23	Construction of mechanically durable superhydrophobic surfaces by thermal spray deposition and further surface modification. Applied Surface Science, 2015, 356, 639-644.	3.1	59
24	Direct quantification of surface barriers for mass transfer in nanoporous crystalline materials. Communications Chemistry, 2019, 2, .	2.0	58
25	Adhesive and bending failure of thermal sprayed hydroxyapatite coatings: Effect of nanostructures at interface and crack propagation phenomenon during bending. Engineering Fracture Mechanics, 2007, 74, 1894-1903.	2.0	56
26	Oligosaccharyltransferase directly binds to ribosome at a location near the translocon-binding site. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6945-6949.	3.3	56
27	Fe-based amorphous coating with high corrosion and wear resistance. Surface Engineering, 2017, 33, 56-62.	1.1	55
28	Directed transforming of coke to active intermediates in methanol-to-olefins catalyst to boost light olefins selectivity. Nature Communications, 2021, 12, 17.	5.8	55
29	Developing polyimide-copper antifouling coatings with capsule structures for sustainable release of copper. Materials and Design, 2017, 130, 285-293.	3.3	53
30	Thermal sprayed hydroxyapatite splats: nanostructures, pore formation mechanisms and TEM characterization. Biomaterials, 2004, 25, 3463-3471.	5.7	48
31	Quantitative evaluation of the decarburization and microstructure evolution of WC-Co during plasma spraying. Surface and Coatings Technology, 2012, 206, 4068-4074.	2.2	48
32	Microstructure modifications and phase transformation in plasma-sprayed WC-Co coatings following post-spray spark plasma sintering. Surface and Coatings Technology, 2005, 194, 96-102.	2.2	47
33	Characterization of hydroxyapatite/nano-zirconia composite coatings deposited by high velocity oxy-fuel (HVOF) spray process. Surface and Coatings Technology, 2004, 182, 227-236.	2.2	46
34	Structure of the Oligosaccharyl Transferase Complex at 12 Å... Resolution. Structure, 2008, 16, 432-440.	1.6	45
35	Robust and easy-repairable superhydrophobic surfaces with multiple length-scale topography constructed by thermal spray route. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 492, 19-25.	2.3	45
36	Characterization of the bone-like apatite precipitated on high velocity oxy-fuel (HVOF) sprayed calcium phosphate deposits. Biomaterials, 2003, 24, 769-775.	5.7	43

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37	Thermal-Sprayed Photocatalytic Coatings for Biocidal Applications: A Review. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1-24.	1.6	42
38	Effect of the powders' melting state on the properties of HVOF sprayed hydroxyapatite coatings. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2000, 293, 71-80.	2.6	41
39	In vitro behavior of HVOF sprayed calcium phosphate splats and coatings. <i>Biomaterials</i> , 2003, 24, 723-735.	5.7	41
40	Al/Al ₂ O ₃ Composite Coating Deposited by Flame Spraying for Marine Applications: Alumina Skeleton Enhances Anti-Corrosion and Wear Performances. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 676-683.	1.6	41
41	Nanostructural characteristics, mechanical properties, and osteoblast response of spark plasma sintered hydroxyapatite. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 82A, 296-303.	2.1	39
42	In-situ SEM observations of ultrasonic cavitation erosion behavior of HVOF-sprayed coatings. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104760.	3.8	39
43	Processing' microstructure' property relations in HVOF sprayed calcium phosphate based bioceramic coatings. <i>Biomaterials</i> , 2003, 24, 2233-2243.	5.7	38
44	Restoring WC in plasma sprayed WC-Co coatings through spark plasma sintering (SPS). <i>Surface and Coatings Technology</i> , 2004, 182, 308-317.	2.2	38
45	Structural basis for the assembly and gate closure mechanisms of the Mycobacterium tuberculosis 20S proteasome. <i>EMBO Journal</i> , 2010, 29, 2037-2047.	3.5	38
46	Developing transparent copper-doped diamond-like carbon films for marine antifouling applications. <i>Diamond and Related Materials</i> , 2016, 69, 144-151.	1.8	38
47	Control of Surface Barriers in Mass Transfer to Modulate Methanol' Olefins Reaction over SAPO-34 Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21945-21948.	7.2	37
48	Structural Studies and the Assembly of the Heptameric Post-translational Translocon Complex. <i>Journal of Biological Chemistry</i> , 2011, 286, 2956-2965.	1.6	35
49	Inhibited grain growth in hydroxyapatite-graphene nanocomposites during high temperature treatment and their enhanced mechanical properties. <i>Ceramics International</i> , 2016, 42, 11248-11255.	2.3	35
50	Flame sprayed environmentally friendly high density polyethylene (HDPE)-capsaicin composite coatings for marine antifouling applications. <i>Materials Letters</i> , 2019, 238, 46-50.	1.3	34
51	Electrochemical corrosion behaviors of aluminum-based marine coatings in the presence of Escherichia coli bacterial biofilm. <i>Materials Chemistry and Physics</i> , 2016, 173, 62-69.	2.0	33
52	Nanostructural Characteristics of Vacuum Cold-Sprayed Hydroxyapatite/Graphene-Nanosheet Coatings for Biomedical Applications. <i>Journal of Thermal Spray Technology</i> , 2014, 23, 1149-1156.	1.6	32
53	Simultaneous Evaluation of Reaction and Diffusion over Molecular Sieves for Shape-Selective Catalysis. <i>ACS Catalysis</i> , 2020, 10, 8727-8735.	5.5	32
54	Distinctive colonization of Bacillus sp. bacteria and the influence of the bacterial biofilm on electrochemical behaviors of aluminum coatings. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 688-694.	2.5	31

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55	Microstructure and gas sensing properties of solution precursor plasma-sprayed zinc oxide coatings. <i>Materials Research Bulletin</i> , 2015, 63, 67-71.	2.7	30
56	Room-temperature deposition of hydroxyapatite/antibiotic composite coatings by vacuum cold spraying for antibacterial applications. <i>Surface and Coatings Technology</i> , 2017, 330, 87-91.	2.2	30
57	Effect of Gas Conditions on HVOF Flame and Properties of WC-Co Coatings. <i>Materials and Manufacturing Processes</i> , 1999, 14, 383-395.	2.7	29
58	Plant phytochrome B is an asymmetric dimer with unique signalling potential. <i>Nature</i> , 2022, 604, 127-133.	13.7	29
59	Characteristics of the nanostructures in thermal sprayed hydroxyapatite coatings and their influence on coating properties. <i>Surface and Coatings Technology</i> , 2006, 201, 2147-2154.	2.2	28
60	Flame spray fabrication of polyethylene-Cu composite coatings with enwrapped structures: A new route for constructing antifouling layers. <i>Surface and Coatings Technology</i> , 2017, 309, 872-879.	2.2	28
61	A Comparative Study of Cavitation Erosion Resistance of Several HVOF-Sprayed Coatings in Deionized Water and Artificial Seawater. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 1060-1071.	1.6	28
62	Mass-producible hydrophobic perfluoroalkoxy/nano-silver coatings by suspension flame spraying for antifouling and drag reduction applications. <i>Surface and Coatings Technology</i> , 2017, 328, 115-120.	2.2	26
63	Kinetic modeling of methanol to olefins process over SAPO-34 catalyst based on the dual-cycle reaction mechanism. <i>AIChE Journal</i> , 2019, 65, 662-674.	1.8	26
64	Effect of cavitation on corrosion behavior of HVOF-sprayed WC-10Co4Cr coating with post-sealing in artificial seawater. <i>Surface and Coatings Technology</i> , 2020, 397, 126012.	2.2	26
65	Effect of amorphicity of HVOF sprayed Fe-based coatings on their corrosion performances and contacting osteoblast behavior. <i>Surface and Coatings Technology</i> , 2017, 310, 207-213.	2.2	25
66	Interfacial metal/ceramic bonding mechanism for metallization of ceramics via cold spraying. <i>Journal of Materials Processing Technology</i> , 2021, 288, 116845.	3.1	25
67	Biocompatible Nanostructured High-Velocity Oxyfuel Sprayed Titania Coating: Deposition, Characterization, and Mechanical Properties. <i>Journal of Thermal Spray Technology</i> , 2006, 15, 623-627.	1.6	24
68	Developing titania-hydroxyapatite-reduced graphene oxide nanocomposite coatings by liquid flame spray deposition for photocatalytic applications. <i>Journal of the European Ceramic Society</i> , 2017, 37, 3705-3711.	2.8	24
69	Deposition, Characterization, and Enhanced Adherence of Escherichia coli Bacteria on Flame-Sprayed Photocatalytic Titania-Hydroxyapatite Coatings. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 1053-1062.	1.6	23
70	Single-stranded structure of alginate and its conformation evolution after an interaction with calcium ions as revealed by electron microscopy. <i>RSC Advances</i> , 2016, 6, 114779-114782.	1.7	23
71	Ti3AlC2 coatings deposited by liquid plasma spraying. <i>Surface and Coatings Technology</i> , 2016, 299, 123-128.	2.2	23
72	Impact-induced bonding and boundary amorphization of TiN ceramic particles during room temperature vacuum cold spray deposition. <i>Ceramics International</i> , 2016, 42, 1640-1647.	2.3	23

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73	Functionalizing aluminum substrata by quaternary ammonium for antifouling performances. <i>Applied Surface Science</i> , 2018, 440, 300-307.	3.1	23
74	Fabrication of nanodiamond reinforced aluminum composite coatings by flame spraying for marine applications. <i>Materials Today Communications</i> , 2018, 17, 46-52.	0.9	23
75	Cored-wire arc spray fabrication of novel aluminium-copper coatings for anti-corrosion/fouling hybrid performances. <i>Surface and Coatings Technology</i> , 2019, 357, 794-801.	2.2	23
76	Fabrication and characterization of hybrid micro/nano-structured hydrophilic titania coatings deposited by suspension flame spraying. <i>Applied Surface Science</i> , 2012, 258, 6672-6678.	3.1	22
77	Adsorption of alginate and albumin on aluminum coatings inhibits adhesion of <i>Escherichia coli</i> and enhances the anti-corrosion performances of the coatings. <i>Applied Surface Science</i> , 2015, 332, 89-96.	3.1	22
78	Superhydrophobic nanocoatings prepared by a novel vacuum cold spray process. <i>Surface and Coatings Technology</i> , 2017, 325, 52-57.	2.2	22
79	Liquid flame spray fabrication of WO ₃ -reduced graphene oxide nanocomposites for enhanced O ₃ -sensing performances. <i>Ceramics International</i> , 2017, 43, 13185-13192.	2.3	21
80	Effect of nano-crystallization of high velocity oxy-fuel-sprayed amorphous NiCrBSi alloy on properties of the coatings. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2004, 22, 2000-2004.	0.9	20
81	Deposition of porous nano-WO ₃ coatings with tunable grain shapes by liquid plasma spraying for gas-sensing applications. <i>Materials Letters</i> , 2015, 141, 100-103.	1.3	19
82	Study of the coke distribution in MTO fluidized bed reactor with MP&PIC approach. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 500-510.	0.9	19
83	Microstructure and anti-wear and corrosion performances of novel UHMWPE/graphene nanosheet composite coatings deposited by flame spraying. <i>Polymers for Advanced Technologies</i> , 2013, 24, 888-894.	1.6	18
84	In vitro bioactivity and osteoblast response of porous NiTi synthesized by SHS using nanocrystalline Ni-Ti reaction agent. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 78A, 316-323.	2.1	17
85	Effect of Steam Treatment During Plasma Spraying on the Microstructure of Hydroxyapatite Splats and Coatings. <i>Journal of Thermal Spray Technology</i> , 2006, 15, 610-616.	1.6	16
86	Alginate/albumin in incubation solution mediates the adhesion and biofilm formation of typical marine bacteria and algae. <i>Biochemical Engineering Journal</i> , 2018, 139, 25-32.	1.8	16
87	Efficient suspension plasma spray fabrication of black titanium dioxide coatings with visible light absorption performances. <i>Ceramics International</i> , 2019, 45, 930-935.	2.3	16
88	Autoclaving-induced in-situ grown alumina on arc-sprayed aluminum coatings: Multiscaled topography facilitates antifouling performances. <i>Surface and Coatings Technology</i> , 2017, 309, 295-300.	2.2	15
89	Participation of copper ions in formation of alginate conditioning layer: Evolved structure and regulated microbial adhesion. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018, 162, 220-227.	2.5	15
90	Control of Surface Barriers in Mass Transfer to Modulate Methanol to Olefins Reaction over SAPO-34 Zeolites. <i>Angewandte Chemie</i> , 2020, 132, 22129-22132.	1.6	14

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91	Suspension Plasma Spray Fabrication of Nanocrystalline Titania Hollow Microspheres for Photocatalytic Applications. <i>Journal of Thermal Spray Technology</i> , 2015, 24, 1213-1220.	1.6	13
92	Liquid flame spray fabrication of polyimide-copper coatings for antifouling applications. <i>Materials Letters</i> , 2017, 190, 217-220.	1.3	13
93	Construction of WO ₃ coatings with micro-nano hybrid structures by liquid precursor flame spray for enhanced sensing performances to sub-ppm ozone. <i>Materials Letters</i> , 2017, 205, 106-109.	1.3	13
94	Corrosion and Algal Adhesion Behaviors of HVOF-Sprayed Fe-Based Amorphous Coatings for Marine Applications. <i>Journal of Thermal Spray Technology</i> , 2019, 28, 283-290.	1.6	13
95	Aluminum-polyethylene composite coatings with self-sealing induced anti-corrosion performances. <i>Journal of Materials Processing Technology</i> , 2020, 282, 116642.	3.1	13
96	Microstructure and Wear Behavior of Cold-Sprayed Cu-BNNSs Composite Coating. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1482-1492.	1.6	13
97	Effect of surface topological structure and chemical modification of flame sprayed aluminum coatings on the colonization of <i>Cylindrotheca closterium</i> on their surfaces. <i>Applied Surface Science</i> , 2016, 388, 385-391.	3.1	11
98	Highly specific monoclonal antibodies for allosteric inhibition and immunodetection of the human pancreatic zinc transporter ZnT8. <i>Journal of Biological Chemistry</i> , 2018, 293, 16206-16216.	1.6	11
99	Enhanced mechanical properties of boron nitride nanosheets/copper composites with a bioinspired laminated structure. <i>Composite Interfaces</i> , 2022, 29, 999-1012.	1.3	11
100	Novel autoantibodies to the Î²-cell surface epitopes of ZnT8 in patients progressing to type-1 diabetes. <i>Journal of Autoimmunity</i> , 2021, 122, 102677.	3.0	11
101	Electron Microscopy Visualization of Vitronectin Adsorbed on -COOH and -NH ₂ Functionalized Surfaces: Distinctive Spatial Alignment and Regulated Cellular Responses. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700958.	1.9	10
102	Onion-like carbon-modified TiO ₂ coating by suspension plasma spray with enhanced photocatalytic performances. <i>Journal of Nanoparticle Research</i> , 2019, 21, 1.	0.8	10
103	Study of Catalyst Coke Distribution Based on Population Balance Theory: Application to Methanol to Olefins Process. <i>AIChE Journal</i> , 2019, 65, 1149-1161.	1.8	10
104	Development of Novel Thermal Sprayed Hydroxyapatite-Rare Earth (HA-Re) Coatings for Potential Antimicrobial Applications in Orthopedics. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 886-897.	1.6	10
105	Fabrication of TiO ₂ -SrCO ₃ Composite Coatings by Suspension Plasma Spraying: Microstructure and Enhanced Visible Light Photocatalytic Performances. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1172-1182.	1.6	9
106	Microstructural Characteristics of Plasma Sprayed NiCrBSi Coatings and Their Wear and Corrosion Behaviors. <i>Coatings</i> , 2021, 11, 170.	1.2	9
107	In vitro bioactivity and antibacterial performances of atmospheric plasma sprayed c-axis preferential oriented hydroxyapatite coatings. <i>Surface and Coatings Technology</i> , 2021, 417, 127209.	2.2	9
108	High microwave absorption performance in Nd-substituted BaM/GO through sol-gel and high energy ball milling process. <i>Journal of Alloys and Compounds</i> , 2022, 892, 162207.	2.8	9

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109	Synthesis and Vacuum Cold Spray Deposition of Biofunctionalized Nanodiamond/Hydroxyapatite Nanocomposite for Biomedical Applications. <i>Advanced Engineering Materials</i> , 2017, 19, 1700363.	1.6	8
110	Enhanced Lubricant Property of Flame-Sprayed Aluminum Coatings Additivated by Reduced Graphene Oxide Nanosheets. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 1643-1651.	1.6	8
111	Thermal Spray Coatings for Protection Against Microbiologically Induced Corrosion: Recent Advances and Future Perspectives. <i>Journal of Thermal Spray Technology</i> , 2022, 31, 829-847.	1.6	8
112	Defined hydrodynamic shear stresses influence the adhesion behaviors of marine <i>Bacillus</i> sp. on stainless steel in artificial seawater. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 553, 503-508.	2.3	7
113	Superhydrophobicity through Coatings Prepared by Chemical Methods. , 0, , .		7
114	Hydroxyapatite nucleated and grown on nano titania particles enhances recruitment of <i>Escherichia coli</i> for subsequent photocatalytic elimination. <i>Materials Chemistry and Physics</i> , 2015, 151, 364-371.	2.0	6
115	Tribocorrosion behaviours of cold-sprayed diamond-Cu composite coatings in artificial sea water. <i>Surface Engineering</i> , 2018, 34, 392-398.	1.1	6
116	Suspension Flame Spray Construction of Polyimide-Copper Layers for Marine Antifouling Applications. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 98-105.	1.6	6
117	Automatic Robot Trajectory for Thermal-Sprayed Complex Surfaces. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-11.	1.0	6
118	An approach for predicting intracrystalline diffusivities and adsorption entropies in nanoporous crystalline materials. <i>AIChE Journal</i> , 2020, 66, e16991.	1.8	6
119	Advanced electrochemical treatment of real biotreated petrochemical wastewater by boron doped diamond anode: performance, kinetics, and degradation mechanism. <i>Water Science and Technology</i> , 2020, 82, 773-786.	1.2	6
120	Cold Spray Construction of Nanostructured Titania Coatings for Photocatalytic Applications. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 918-925.	1.6	6
121	Structure of the human GlcNAc-1-phosphotransferase α subunits reveals regulatory mechanism for lysosomal enzyme glycan phosphorylation. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 348-356.	3.6	6
122	Numerical and Experimental Investigation on Bonding Behavior of Cold Sprayed Porous WC-17Co Particles onto Different Substrates. <i>Coatings</i> , 2018, 8, 367.	1.2	5
123	New Structural Carbons via Industrial Gas Explosion for Hybrid Cathodes in Li-S Batteries. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 12948-12954.	3.2	5
124	Friction and Wear Behaviors of Reduced Graphene Oxide- and Carbon Nanotube-Reinforced Hydroxyapatite Bioceramics. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	5
125	Loading of Zn/ZnO particles in the precursor feedstock affects the characteristics of liquid plasma sprayed nano-ZnO coatings for photocatalytic applications. <i>Nanotechnology</i> , 2020, 31, 185301.	1.3	5
126	Colonization of Bacteria on the Surfaces of Cold-Sprayed Copper Coatings Alters Their Electrochemical Behaviors. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 687-694.	1.6	4

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127	Hollow Plasma-Sprayed Spherical Nanostructured Titania Feedstock for Photocatalytic Applications. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 1532-1541.	1.6	4
128	Adsorption-associated orientational changes of immunoglobulin G and regulated phagocytosis of <i>Staphylococcus epidermidis</i> . <i>Journal of Biomedical Materials Research - Part A</i> , 2018, 106, 2838-2849.	2.1	4
129	Microscopic visualization of cell " Cold sprayed bio-coating interfaces: An intermediate layer formed during the culturing mediates the behaviors of the cells. <i>Applied Surface Science</i> , 2020, 529, 147132.	3.1	4
130	Dual Antifouling Mechanisms Induced by Cupric Ions and Needle-Like Alumina in Arc-Sprayed Composite Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1784-1791.	1.6	4
131	Efficient coating fabrication of onion-like carbon nanoparticles via aerosol deposition. <i>Particuology</i> , 2020, 53, 58-62.	2.0	4
132	A rosette like carbon structure controlled through ammoniation for superior adsorption of cationic brilliant green dye. <i>Journal of Porous Materials</i> , 2021, 28, 1129-1136.	1.3	4
133	Fabrication of Porous Aluminum Coating by Cored Wire Arc Spray for Anchoring Antifouling Hydrogel Layer. <i>Journal of Thermal Spray Technology</i> , 2022, 31, 119-129.	1.6	4
134	An attempt to improve cavitation erosion resistance of UHMWPE coatings through enhancing thermal conductivity via the incorporation of copper frames. <i>Surface and Coatings Technology</i> , 2021, 425, 127705.	2.2	4
135	Incorporation of Copper Enhances the Anti-Ageing Property of Flame-Sprayed High-Density Polyethylene Coatings. <i>Journal of Thermal Spray Technology</i> , 2017, 26, 409-416.	1.6	3
136	Cold-Sprayed Aluminum-Silica Composite Coatings Enhance Antiwear/Anticorrosion Performances of AZ31 Magnesium Alloy. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-8.	1.0	3
137	Effect of <i>Chlorella vulgaris</i> Biofilm Adhesion on Electrochemical Behaviors of Wire Arc-Sprayed Aluminum Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1991-2000.	1.6	3
138	PreadSORption of Serum Proteins Regulates Bacterial Infections and Subsequent Macrophage Phagocytosis on Biomaterial Surfaces. <i>ACS Applied Bio Materials</i> , 2019, 2, 5957-5964.	2.3	2
139	<i>Bacillus subtilis</i> extracellular polymeric substances conditioning layers inhibit <i>Escherichia coli</i> adhesion to silicon surfaces: A potential candidate for interfacial antifouling additives. <i>Biointerphases</i> , 2021, 16, 011003.	0.6	2
140	Effects of <i>Bacillus</i> sp. adhesion on cavitation erosion behaviour of nickel aluminium bronze in artificial seawater. <i>Wear</i> , 2022, 498-499, 204344.	1.5	2
141	Superhydrophobic Surface on Arc-Sprayed Aluminum Coating Via Fluorinated Polyurethane Modification: Preparation and Application in Corrosion Protection. <i>Journal of Thermal Spray Technology</i> , 0, , .	1.6	1
142	Exploring the Inter- and Intra-crystal Diversity of Surface Barriers in Zeolites on Mass Transport by Using Super-Resolution Microimaging of Time-Resolved Guest Profiles. <i>Angewandte Chemie</i> , 0, , .	1.6	1
143	Nanobioceramics: Synthesis, Characterization, and Applications. , 2002, 4936, 35.		0
144	BIOCHEMICAL AND STRUCTURAL STUDIES OF THE OLIGOSACCHARYL TRANSFERASE COMPLEX. <i>FASEB Journal</i> , 2007, 21, A1021.	0.2	0

#	ARTICLE	IF	CITATIONS
145	Preparation, Microstructure and Thermal Properties of Y2O3 Hollow-Sphere Composite Films. Journal of Thermal Spray Technology, 2022, 31, 331-341.	1.6	0
146	Impact of conformational change of immunoglobulin G induced by silver ions on Escherichia coli and macrophage adhesion to biomaterial surfaces. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2022, 643, 128700.	2.3	0
147	Suspension Flame Spray Construction of Porous Polycaprolactone/Hydroxyapatite Coatings for Marine Ecological Remediation. Journal of Thermal Spray Technology, 0, , .	1.6	0