

Hua Li

List of Publications by Year in descending order

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147
papers

4,841
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81839

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all docs

147
docs citations

147
times ranked

5190
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Preparation, Microstructure and Thermal Properties of Y ₂ O ₃ Hollow-Sphere Composite Films. <i>Journal of Thermal Spray Technology</i> , 2022, 31, 331-341.	1.6	0
5	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
6	Structure of the human GlcNAc-1-phosphotransferase $\hat{1}\hat{2}$ subunits reveals regulatory mechanism for lysosomal enzyme glycan phosphorylation. <i>Nature Structural and Molecular Biology</i> , 2022, 29, 348-356.	3.6	6
7	Plant phytochrome B is an asymmetric dimer with unique signalling potential. <i>Nature</i> , 2022, 604, 127-133.	13.7	29
8	Impact of conformational change of immunoglobulin G induced by silver ions on Escherichia coli and macrophage adhesion to biomaterial surfaces. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 643, 128700.	2.3	0
9	Effects of Bacillus sp. adhesion on cavitation erosion behaviour of nickel aluminium bronze in artificial seawater. <i>Wear</i> , 2022, 498-499, 204344.	1.5	2
10	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
11	Thermal-Sprayed Photocatalytic Coatings for Biocidal Applications: A Review. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 1-24.	1.6	42
12	Cold Spray Construction of Nanostructured Titania Coatings for Photocatalytic Applications. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 918-925.	1.6	6
13	Directed transforming of coke to active intermediates in methanol-to-olefins catalyst to boost light olefins selectivity. <i>Nature Communications</i> , 2021, 12, 17.	5.8	55
14	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
15	Microstructural Characteristics of Plasma Sprayed NiCrBSi Coatings and Their Wear and Corrosion Behaviors. <i>Coatings</i> , 2021, 11, 170.	1.2	9
16	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
17	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
18	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

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19	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
20	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
21	<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
22	In-situ SEM observations of ultrasonic cavitation erosion behavior of HVOF-sprayed coatings. <i>Ultrasonics Sonochemistry</i> , 2020, 60, 104760.	3.8	39
23	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
24	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
25	An approach for predicting intracrystalline diffusivities and adsorption entropies in nanoporous crystalline materials. <i>AICHE Journal</i> , 2020, 66, e16991.	1.8	6
26	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
27	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
28	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
29	Control of Surface Barriers in Mass Transfer to Modulate Methanol-to-Olefins Reaction over SAPO-34 Zeolites. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 21945-21948.	7.2	37
30	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
31	Friction and Wear Behaviors of Reduced Graphene Oxide- and Carbon Nanotube-Reinforced Hydroxyapatite Bioceramics. <i>Frontiers in Materials</i> , 2020, 7, .	1.2	5
32	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
33	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
34	Efficient coating fabrication of onion-like carbon nanoparticles via aerosol deposition. <i>Particuology</i> , 2020, 53, 58-62.	2.0	4
35	Simultaneous Evaluation of Reaction and Diffusion over Molecular Sieves for Shape-Selective Catalysis. <i>ACS Catalysis</i> , 2020, 10, 8727-8735.	5.5	32
36	Aluminum-polyethylene composite coatings with self-sealing induced anti-corrosion performances. <i>Journal of Materials Processing Technology</i> , 2020, 282, 116642.	3.1	13

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37	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
38	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
39	Study of the coke distribution in MTO fluidized bed reactor with MPIC approach. <i>Canadian Journal of Chemical Engineering</i> , 2019, 97, 500-510.	0.9	19
40	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
41	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
42	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
43	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
44	Direct quantification of surface barriers for mass transfer in nanoporous crystalline materials. <i>Communications Chemistry</i> , 2019, 2, .	2.0	58
45	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
46	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
47	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
48	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
49	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
50	Mechanical properties of nanodiamond-reinforced hydroxyapatite composite coatings deposited by suspension plasma spraying. <i>Applied Surface Science</i> , 2018, 439, 60-65.	3.1	62
51	Functionalizing aluminum substrata by quaternary ammonium for antifouling performances. <i>Applied Surface Science</i> , 2018, 440, 300-307.	3.1	23
52	Tribocorrosion behaviours of cold-sprayed diamond-Cu composite coatings in artificial sea water. <i>Surface Engineering</i> , 2018, 34, 392-398.	1.1	6
53	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
54	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

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55	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
56	Hollow Plasma-Sprayed Spherical Nanostructured Titania Feedstock for Photocatalytic Applications. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 1532-1541.	1.6	4
57	Automatic Robot Trajectory for Thermal-Sprayed Complex Surfaces. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-11.	1.0	6
58	Influence of surface topography on bacterial adhesion: A review (Review). <i>Biointerphases</i> , 2018, 13, 060801.	0.6	130
59	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
60	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
61	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
62	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
63	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
64	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
65	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
66	Fe-based amorphous coating with high corrosion and wear resistance. <i>Surface Engineering</i> , 2017, 33, 56-62.	1.1	55
67	Liquid flame spray fabrication of polyimide-copper coatings for antifouling applications. <i>Materials Letters</i> , 2017, 190, 217-220.	1.3	13
68	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
69	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
70	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
71	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
72	Developing polyimide-copper antifouling coatings with capsule structures for sustainable release of copper. <i>Materials and Design</i> , 2017, 130, 285-293.	3.3	53

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73	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
74	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
75	Electron Microscopy Visualization of Vitronectin Adsorbed on γ -COOH and γ -NH ₂ Functionalized Surfaces: Distinctive Spatial Alignment and Regulated Cellular Responses. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700958.	1.9	10
76	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
77	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
78	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
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	Superhydrophobic nanocoatings prepared by a novel vacuum cold spray process. <i>Surface and Coatings Technology</i> , 2017, 325, 52-57.	2.2	22
81	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
82	Mg ²⁺ /Ca ²⁺ promotes the adhesion of marine bacteria and algae and enhances following biofilm formation in artificial seawater. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 146, 289-295.	2.5	64
83	Single-stranded structure of alginate and its conformation evolvement after an interaction with calcium ions as revealed by electron microscopy. <i>RSC Advances</i> , 2016, 6, 114779-114782.	1.7	23
84	Ti ₃ AlC ₂ coatings deposited by liquid plasma spraying. <i>Surface and Coatings Technology</i> , 2016, 299, 123-128.	2.2	23
85	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
86	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
87	Distinctive colonization of <i>Bacillus</i> 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
88	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
89	Robust and easy-repairable superhydrophobic surfaces with multiple length-scale topography constructed by thermal spray route. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 492, 19-25.	2.3	45
90	Electrochemical corrosion behaviors of aluminum-based marine coatings in the presence of <i>Escherichia coli</i> bacterial biofilm. <i>Materials Chemistry and Physics</i> , 2016, 173, 62-69.	2.0	33

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91	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
92	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
93	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
94	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
95	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
96	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
97	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
98	Construction of mechanically durable superhydrophobic surfaces by thermal spray deposition and further surface modification. <i>Applied Surface Science</i> , 2015, 356, 639-644.	3.1	59
99	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
100	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
101	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
102	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
103	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
104	Deposition, Characterization, and Enhanced Adherence of <i>Escherichia coli</i> Bacteria on Flame-Sprayed Photocatalytic Titania-Hydroxyapatite Coatings. <i>Journal of Thermal Spray Technology</i> , 2013, 22, 1053-1062.	1.6	23
105	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
106	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
107	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
108	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

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109	Quantitative evaluation of the decarburization and microstructure evolution of WCâ€Co during plasma spraying. <i>Surface and Coatings Technology</i> , 2012, 206, 4068-4074.	2.2	48
110	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
111	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
112	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
113	Crystal Structure of the Caenorhabditis elegans Apoptosome Reveals an Octameric Assembly of CED-4. <i>Cell</i> , 2010, 141, 446-457.	13.5	154
114	Oligosaccharyltransferase directly binds to ribosome at a location near the translocon-binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 6945-6949.	3.3	56
115	Structural Insights on the Mycobacterium tuberculosis Proteasomal ATPase Mpa. <i>Structure</i> , 2009, 17, 1377-1385.	1.6	65
116	Cryoelectron Microscopy Structure of Purified Î³-Secretase at 12Å... Resolution. <i>Journal of Molecular Biology</i> , 2009, 385, 642-652.	2.0	104
117	Structure of the Oligosaccharyl Transferase Complex at 12 Å... Resolution. <i>Structure</i> , 2008, 16, 432-440.	1.6	45
118	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
119	Adhesive and bending failure of thermal sprayed hydroxyapatite coatings: Effect of nanostructures at interface and crack propagation phenomenon during bending. <i>Engineering Fracture Mechanics</i> , 2007, 74, 1894-1903.	2.0	56
120	BIOCHEMICAL AND STRUCTURAL STUDIES OF THE OLIGOSACCHARYL TRANSFERASE COMPLEX. <i>FASEB Journal</i> , 2007, 21, A1021.	0.2	0
121	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
122	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
123	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
124	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
125	Microstructure modifications and phase transformation in plasma-sprayed WCâ€Co coatings following post-spray spark plasma sintering. <i>Surface and Coatings Technology</i> , 2005, 194, 96-102.	2.2	47
126	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

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127	Significance of melt-fraction in HVOF sprayed hydroxyapatite particles, splats and coatings. <i>Biomaterials</i> , 2004, 25, 1177-1186.	5.7	59
128	Thermal sprayed hydroxyapatite splats: nanostructures, pore formation mechanisms and TEM characterization. <i>Biomaterials</i> , 2004, 25, 3463-3471.	5.7	48
129	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
130	Characterization of hydroxyapatite/nano-zirconia composite coatings deposited by high velocity oxy-fuel (HVOF) spray process. <i>Surface and Coatings Technology</i> , 2004, 182, 227-236.	2.2	46
131	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
132	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
133	In vitro behavior of HVOF sprayed calcium phosphate splats and coatings. <i>Biomaterials</i> , 2003, 24, 723-735.	5.7	41
134	Characterization of the bone-like apatite precipitated on high velocity oxy-fuel (HVOF) sprayed calcium phosphate deposits. <i>Biomaterials</i> , 2003, 24, 769-775.	5.7	43
135	Impact formation and microstructure characterization of thermal sprayed hydroxyapatite/titania composite coatings. <i>Biomaterials</i> , 2003, 24, 949-957.	5.7	97
136	Processing-microstructure-property relations in HVOF sprayed calcium phosphate based bioceramic coatings. <i>Biomaterials</i> , 2003, 24, 2233-2243.	5.7	38
137	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
138	Nanobioceramics: Synthesis, Characterization, and Applications. , 2002, 4936, 35.		0
139	Titanium dioxide reinforced hydroxyapatite coatings deposited by high velocity oxy-fuel (HVOF) spray. <i>Biomaterials</i> , 2002, 23, 85-91.	5.7	172
140	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
141	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
142	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
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