

Jianliang Li

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,191
citations

159585

30
h-index

223800

46
g-index

52
all docs

52
docs citations

52
times ranked

2452
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical and tribological behaviors of PVA/PAAm double network hydrogels under varied strains as cartilage replacement. <i>Journal of Applied Polymer Science</i> , 2021, 138, 50226.	2.6	12
2	Covalently injectable chitosan/chondroitin sulfate hydrogel integrated gelatin/heparin microspheres for soft tissue engineering. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2021, 70, 149-157.	3.4	20
3	Doubly crosslinked biodegradable hydrogels based on gellan gum and chitosan for drug delivery and wound dressing. <i>International Journal of Biological Macromolecules</i> , 2020, 164, 2204-2214.	7.5	68
4	Microstructure and Tribological Properties of Plasma-Sprayed Al _{0.2} Co _{1.5} CrFeNi _{1.5} Ti-Ag Composite Coating from 25 to 750°C. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 1640-1649.	2.5	18
5	Wide temperature lubrication of LST/PEO/Ag/MoS ₂ multilayer coating. <i>Surface Engineering</i> , 2019, 35, 71-78.	2.2	7
6	Covalent Chitosan-Cellulose Hydrogels via Schiff-Base Reaction Containing Macromolecular Microgels for pH-Sensitive Drug Delivery and Wound Dressing. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900399.	2.2	35
7	Superhydrophobic Surface with Stepwise Multilayered Micro- and Nanostructure and an Investigation of Its Corrosion Resistance. <i>Langmuir</i> , 2019, 35, 15078-15085.	3.5	41
8	Mechanical and Frictional Performance of Ta and Ta-Ag Alloy Films Deposited at Different Sputtering Powers. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5037-5046.	2.5	2
9	Alginate membrane dressing toughened by chitosan floccule to load antibacterial drugs for wound healing. <i>Polymer Testing</i> , 2019, 79, 106039.	4.8	31
10	Reaction Mechanisms and Tensile Properties of the Composites Fabricated by Al-B ₂ O ₃ System. <i>Journal of Wuhan University of Technology, Materials Science Edition</i> , 2019, 34, 1024-1029.	1.0	3
11	Covalently polysaccharide-based alginate/chitosan hydrogel embedded alginate microspheres for BSA encapsulation and soft tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2019, 127, 340-348.	7.5	93
12	Magnetic and self-healing chitosan-alginate hydrogel encapsulated gelatin microspheres via covalent cross-linking for drug delivery. <i>Materials Science and Engineering C</i> , 2019, 101, 619-629.	7.3	149
13	Frictional properties of silver over-coated on surface textured tantalum interlayer at elevated temperatures. <i>Surface and Coatings Technology</i> , 2019, 365, 189-199.	4.8	12
14	Dynamical release nanospheres containing cell growth factor from biopolymer hydrogel via reversible covalent conjugation. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2018, 29, 1344-1359.	3.5	17
15	High entropy alloy FeCoNiCu matrix composites reinforced with in-situ TiC particles and graphite whiskers. <i>Materials Chemistry and Physics</i> , 2018, 220, 449-459.	4.0	48
16	Injectable polysaccharide hydrogel embedded with hydroxyapatite and calcium carbonate for drug delivery and bone tissue engineering. <i>International Journal of Biological Macromolecules</i> , 2018, 118, 1257-1266.	7.5	147
17	In situ repair of graphene defects and enhancement of its reinforcement effect in polyvinyl alcohol hydrogels. <i>RSC Advances</i> , 2017, 7, 1045-1055.	3.6	54
18	Chemical reaction mechanism, microstructural characteristics and mechanical properties of in situ (Al ₂ O ₃ +ZrB ₂)/Al composites. <i>Materials Chemistry and Physics</i> , 2017, 196, 45-51.	4.0	10

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19	Reaction mechanisms, resultant microstructures and tensile properties of Al-based composites fabricated in situ from Al-SiO ₂ -Mg system. <i>Advanced Powder Technology</i> , 2017, 28, 2572-2580.	4.1	10
20	Chitosan membrane dressings toughened by glycerol to load antibacterial drugs for wound healing. <i>Materials Science and Engineering C</i> , 2017, 81, 522-531.	7.3	115
21	Dry Sliding Tribological Behavior at Elevated Temperature of In Situ Aluminum Matrix Composites Fabricated by Al-ZrO ₂ -C System with Different Mole Ratio of C/ZrO ₂ . <i>Journal of Powder Metallurgy and Mining</i> , 2017, 06, .	0.3	2
22	The water-locking and cross-linking effects of graphene oxide on the load-bearing capacity of poly(vinyl alcohol) hydrogel. <i>RSC Advances</i> , 2016, 6, 82467-82477.	3.6	40
23	Adaptive-lubricating PEO/Ag/MoS ₂ multilayered coatings for Ti6Al4V alloy at elevated temperature. <i>Materials and Design</i> , 2016, 107, 311-321.	7.0	36
24	Preparation and tribological behavior of Ni-graphene composite coating under room temperature. <i>Applied Surface Science</i> , 2016, 361, 49-56.	6.1	99
25	Tribological properties of silver coatings with laser surface textured nickel as interlayer. <i>Tribology International</i> , 2016, 100, 178-185.	5.9	36
26	Tribological properties of laser surface textured and plasma electrolytic oxidation duplex-treated Ti6Al4V alloy deposited with MoS ₂ film. <i>Surface and Coatings Technology</i> , 2015, 269, 266-272.	4.8	56
27	In situ aluminum matrix composites fabricated from Al-Ni ₂ O ₃ system through microwave synthesis. <i>Materials Chemistry and Physics</i> , 2015, 153, 333-337.	4.0	15
28	Microwave combustion synthesis of in situ Al ₂ O ₃ and Al ₃ Zr reinforced aluminum matrix composites. <i>Materials Research Bulletin</i> , 2015, 68, 283-288.	5.2	13
29	Characterization and friction behavior of LST/PEO duplex-treated Ti6Al4V alloy with burnished MoS ₂ film. <i>Applied Surface Science</i> , 2015, 347, 475-484.	6.1	25
30	Influences of carbon additions on reaction mechanisms and tensile properties of Al-based composites synthesized in-situ by Al-SiO ₂ powder system. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 623, 78-82.	5.6	14
31	Tribological properties of PTFE/laser surface textured stainless steel under starved oil lubrication. <i>Tribology International</i> , 2015, 82, 305-310.	5.9	72
32	Tribological Behavior of Ni-Based Self-Lubricating Composites at Elevated Temperatures. <i>Advances in Chemical and Materials Engineering Book Series</i> , 2015, , 72-106.	0.3	0
33	Reaction mechanism and mechanical properties of an aluminum-based composite fabricated in-situ from Al-SiO ₂ system. <i>Materials Chemistry and Physics</i> , 2014, 145, 334-341.	4.0	49
34	Reaction mechanisms of the TiC/Fe composite fabricated by exothermic dispersion from Fe-Ti-C element system. <i>Powder Technology</i> , 2013, 246, 456-461.	4.2	57
35	In situ synthesis and characterization of a hierarchically structured Al ₂ O ₃ /Al ₃ Ti composite. <i>Journal of Materials Science</i> , 2013, 48, 929-935.	3.7	7
36	Tribological properties of laser surface texturing and molybdenizing duplex-treated stainless steel at elevated temperatures. <i>Surface and Coatings Technology</i> , 2013, 228, S219-S223.	4.8	24

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37	Reaction pathways, activation energies and mechanical properties of hybrid composites synthesized in-situ from Al ³⁺ -TiO ₂ -C powder mixtures. <i>Materials Chemistry and Physics</i> , 2012, 137, 532-542.	4.0	41
38	Surface texturing for adaptive Ag/MoS ₂ solid lubricant plating. <i>Rare Metals</i> , 2012, 31, 560-565.	7.1	9
39	Embrittlement of a bulk metallic glass containing ductile phase after low-temperature annealing. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1677-1681.	1.5	5
40	High temperature dry sliding friction and wear behavior of aluminum matrix composites (Al ₃ Zr+Al ₂ O ₃)/Al. <i>Tribology International</i> , 2012, 48, 78-86.	5.9	59
41	Microstructure and high temperature wear of the aluminum matrix composites fabricated by reaction from Al-ZrO ₂ -B elemental powders. <i>Powder Technology</i> , 2012, 217, 401-408.	4.2	33
42	Study on the reaction mechanism and mechanical properties of aluminum matrix composites fabricated in an Al-ZrO ₂ -B system. <i>Materials Chemistry and Physics</i> , 2011, 127, 179-184.	4.0	17
43	Friction and Wear Properties of MoS ₂ -Overcoated Laser Surface-Textured Silver-Containing Nickel-Based Alloy at Elevated Temperatures. <i>Tribology Letters</i> , 2011, 43, 221-228.	2.6	34
44	Effect of load and sliding speed on friction and wear behavior of silver/h-BN containing Ni-base P/M composites. <i>Wear</i> , 2011, 270, 423-430.	3.1	98
45	Tribological properties of MoN layer on silver-containing nickel-base alloy at high temperatures. <i>Wear</i> , 2011, 271, 987-993.	3.1	13
46	Effect of surface laser texture on friction properties of nickel-based composite. <i>Tribology International</i> , 2010, 43, 1193-1199.	5.9	97
47	Elevated temperature tribological behavior of Ni based composites containing nano-silver and hBN. <i>Wear</i> , 2010, 269, 884-890.	3.1	96
48	In situ fabrication of (Al ₃ Zr+Al ₂ O ₃)/Al composites in an Al-ZrO ₂ system. <i>Composites Science and Technology</i> , 2010, 70, 2183-2189.	7.8	65
49	Effect of Flash Temperature on Tribological Properties of Bulk Metallic Glasses. <i>Tribology Letters</i> , 2009, 35, 151-158.	2.6	52
50	Effect of Ag and CeO ₂ on friction and wear properties of Ni-base composite at high temperature. <i>Wear</i> , 2009, 267, 576-584.	3.1	38
51	Tribological properties of molybdenized silver-containing nickel base alloy at elevated temperatures. <i>Tribology International</i> , 2009, 42, 1722-1729.	5.9	37
52	Tribological behavior of graphite-containing nickel-based composite as function of temperature, load and counterface. <i>Wear</i> , 2009, 266, 360-367.	3.1	60