Min Qi

List of Publications by Year in descending order

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108 papers	2,765 citations	201674 27 h-index	206112 48 g-index
111 all docs	111 docs citations	111 times ranked	3298 citing authors

#	Article	IF	Citations
1	PVP-grafted synthesis for uniform electrospinning silica@carbon nanofibers as flexible free-standing anode for Li-ion batteries. Solid State Ionics, 2022, 374, 115817.	2.7	10
2	Influence of chain-like cobalt particles on the properties of magnetorheological elastomers. Smart Materials and Structures, 2022, 31, 035007.	3.5	3
3	Pt Concave Nanocubes with High-Index Facets as Electrocatalysts for Glucose Oxidation. ACS Applied Nano Materials, 2022, 5, 4983-4990.	5.0	12
4	Molecular Dynamics Simulations and Experimental Studies of the Microstructure and Mechanical Properties of a Silicone Oil/Functionalized Ionic Liquid-Based Magnetorheological Fluid. ACS Applied Materials & Interfaces, 2022, 14, 10987-10997.	8.0	8
5	A Stiffness Tunable Self-Healing Composite Comprising PDMS and Titanium Dioxide. ACS Applied Polymer Materials, 2022, 4, 2656-2663.	4.4	5
6	Electrospun layers by layers orderly stacked SnO2@aligned carbon nanofibers as high conductivity, long cycle life self-standing anode for reversible lithium ions batteries. Surfaces and Interfaces, 2022, 29, 101814.	3.0	5
7	Exosome-functionalized magnesium-organic framework-based scaffolds with osteogenic, angiogenic and anti-inflammatory properties for accelerated bone regeneration. Bioactive Materials, 2022, 18, 26-41.	15.6	66
8	The porous spongy nest structure compressible anode fabricated by gas forming technique toward high performance lithium ions batteries. Journal of Colloid and Interface Science, 2022, , .	9.4	3
9	Inherently radiopaque polyurethane beads as potential multifunctional embolic agent in hepatocellular carcinoma therapy. Journal of Materials Science and Technology, 2021, 63, 106-114.	10.7	2
10	Enhanced magnetorheological effect and sedimentation stability of bimodal magnetorheological fluids doped with iron nanoparticles. Journal of Intelligent Material Systems and Structures, 2021, 32, 1271-1277.	2.5	15
11	Effect of pore orientation on shear viscoelasticity of cellulose nanocrystal/collagen hydrogels. Journal of Applied Polymer Science, 2021, 138, 49856.	2.6	2
12	Enhanced cytocompatibility of Ti6Al4V alloy through selective removal of Al and V from the hierarchical micro-arc oxidation coating. Applied Surface Science, 2021, 541, 148547.	6.1	28
13	Shear viscoelasticity of electrospinning PCL nanofibers reinforced alginate hydrogels. Materials Research Express, 2021, 8, 055402.	1.6	6
14	Ionic liquid assisted electrospinning synthesis for ultra-uniform Sn@ mesoporous carbon nanofibers as a flexible self-standing anode for lithium ion batteries. Journal of Alloys and Compounds, 2021, 866, 158984.	5.5	15
15	Nitrogen-doped TiO2 nanotube anode enabling improvement of electronic conductivity for fast and long-term sodium storage. Journal of Alloys and Compounds, 2021, 889, 161612.	5.5	14
16	Characterization and cytocompatibility of hierarchical porous TiO2 coatings incorporated with calcium and strontium by one-step micro-arc oxidation. Materials Science and Engineering C, 2020, 109, 110610.	7.3	36
17	Formation and cytocompatibility of a hierarchical porous coating on Ti-20Zr-10Nb-4Ta alloy by micro-arc oxidation. Surface and Coatings Technology, 2020, 404, 126471.	4.8	12
18	Ionic Liquidâ€Assisted Anchoring SnO 2 Nanoparticles on Carbon Nanotubes as Highly Cyclable Anode of Lithium Ion Batteries. Advanced Materials Interfaces, 2020, 7, 1901916.	3.7	17

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19	High capacitive sodium-ion storage in N, P co-doped carbon supported on carbon nanotubes. Journal of Electroanalytical Chemistry, 2020, 870, 114200.	3.8	10
20	Morphology evolution of the porous coatings on Tiâ€“xAl alloys by Al adding into Ti during micro-arc oxidation in Na2B4O7 electrolyte. Surface and Coatings Technology, 2020, 395, 125948.	4.8	20
21	Creep and recovery behaviors of electrorheological elastomers and time-electric field superposition principle. Smart Materials and Structures, 2020, 29, 025009.	3.5	4
22	Iron nanoparticles-based magnetorheological fluids: A balance between MR effect and sedimentation stability. Journal of Magnetism and Magnetic Materials, 2019, 491, 165556.	2.3	49
23	Payne effect and damping properties of flower-like cobalt particles-based magnetorheological elastomers. Composites Communications, 2019, 15, 120-128.	6.3	23
24	Preparation and viscoelasticity of anisotropic polyurethane composites filled with TiO₂ particles. Journal of Applied Polymer Science, 2019, 136, 47450.	2.6	2
25	Micro/nano-hierarchical structured TiO ₂ coating on titanium by micro-arc oxidation enhances osteoblast adhesion and differentiation. Royal Society Open Science, 2019, 6, 182031.	2.4	30
26	An anisotropic three-dimensional electrospun micro/nanofibrous hybrid PLA/PCL scaffold. RSC Advances, 2019, 9, 9838-9844.	3.6	11
27	Uniformly Grafting SnO₂ Nanoparticles on Ionic Liquid Reduced Graphene Oxide Sheets for High Lithium Storage. Advanced Materials Interfaces, 2018, 5, 1701685.	3.7	16
28	Formation and in vitro/in vivo performance of â€œcortex-likeâ€•micro/nano-structured TiO 2 coatings on titanium by micro-arc oxidation. Materials Science and Engineering C, 2018, 87, 90-103.	7.3	53
29	Improved tunable range of the field-induced storage modulus by using flower-like particles as the active phase of magnetorheological elastomers. Soft Matter, 2018, 14, 3504-3509.	2.7	53
30	High performance magnetorheological fluids with flower-like cobalt particles. Smart Materials and Structures, 2017, 26, 025023.	3.5	45
31	Proteomic analysis of chondromodulin-I-induced differentiation of mesenchymal stem cells into chondrocytes. Journal of Proteomics, 2017, 159, 1-18.	2.4	3
32	X-ray visible and doxorubicin-loaded beads based on inherently radiopaque poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (aci 1389-1398.	7.3	9
33	A super-hydrophilic coating with a macro/micro/nano triple hierarchical structure on titanium by two-step micro-arc oxidation treatment for biomedical applications. Surface and Coatings Technology, 2017, 311, 1-9.	4.8	26
34	Damping mechanism and theoretical model of electrorheological elastomers. Soft Matter, 2017, 13, 5409-5420.	2.7	13
35	Early osseointegration of implants with cortex-like TiO2 coatings formed by micro-arc oxidation: A histomorphometric study in rabbits. Journal of Huazhong University of Science and Technology [Medical Sciences], 2017, 37, 122-130.	1.0	14
36	Effect of copper addition on mechanical properties, corrosion resistance and antibacterial property of 316L stainless steel. Materials Science and Engineering C, 2017, 71, 1079-1085.	7.3	107

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37	Extended Dislocations in Plastically Deformed Metallic Nanoparticles. Nanomaterials and Nanotechnology, 2016, 6, 34.	3.0	2
38	Copper precipitation behavior and mechanical properties of Cu-bearing 316L austenitic stainless steel: A comprehensive cross-correlation study. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 675, 243-252.	5.6	85
39	Enhancement of electrorheological performance of electrorheological elastomers by improving TiO₂ particles/silicon rubber interface. Journal of Materials Chemistry C, 2016, 4, 6806-6815.	5.5	34
40	Development of multifunctional cobalt ferrite/graphene oxide nanocomposites for magnetic resonance imaging and controlled drug delivery. Chemical Engineering Journal, 2016, 289, 150-160.	12.7	174
41	Chondrogenic differentiation of ChMâ€‰gene transfected rat bone marrowâ€derived mesenchymal stem cells on 3â€dimensional poly (<scp>L</scp>â€lactic acid) scaffold for cartilage engineering. Cell Biology International, 2015, 39, 300-309.	3.0	10
42	Properties of cobalt nanofiber-based magnetorheological fluids. RSC Advances, 2015, 5, 13958-13963.	3.6	23
43	Effect of Heat Treatment on Cu Distribution, Antibacterial Performance and Cytotoxicity of Tiâ€“6Alâ€“4Vâ€“5Cu Alloy. Journal of Materials Science and Technology, 2015, 31, 723-732.	10.7	112
44	The contribution of friction to electrorheological properties of a chrysanthemum-like particle suspension. RSC Advances, 2015, 5, 74656-74663.	3.6	9
45	Enhanced Electrorheological Properties of Elastomers Containing TiO₂/Urea Coreâ€“Shell Particles. ACS Applied Materials & Interfaces, 2015, 7, 24855-24863.	8.0	53
46	Biodegradable radiopaque iodinated poly(ester urethane)s containing poly(Îµâ€caprolactone) blocks: Synthesis, characterization, and biocompatibility. Journal of Biomedical Materials Research - Part A, 2014, 102, 1121-1130.	4.0	22
47	Solvothermal synthesis of single-crystalline hexagonal cobalt nanofibers with high coercivity. Materials Letters, 2014, 128, 39-41.	2.6	12
48	Enzymatic degradation and radiopaque attenuation of iodinated poly(ester-urethane)s with inherent radiopacity. Journal of Materials Science, 2014, 49, 7834-7843.	3.7	5
49	Properties of aniline-modified strontium titanyl oxalate-based electrorheological suspension. Smart Materials and Structures, 2014, 23, 075018.	3.5	9
50	Facile preparation and cytocompatibility of poly(lactic) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (acid)/poly(3â€hydroxybutyrateâ€c Science, 2014, 54, 2902-2910.	3.1	2
51	Hemocompatibility evaluation of polyurethane film with surfaceâ€grafted poly(ethylene glycol) and carboxymethylâ€chitosan. Journal of Applied Polymer Science, 2013, 127, 308-315.	2.6	66
52	Synthesis and characterization of poly(É›-caprolactone)/Fe3o4 nanocomposites by in situ polymerization. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1011-1021.	3.8	8
53	Facile preparation of poly(Îµ-caprolactone)/Fe3O4@graphene oxide superparamagnetic nanocomposites. Polymer Bulletin, 2013, 70, 2359-2371.	3.3	32
54	Formation and characterization of titania coatings with cortex-like slots formed on Ti by micro-arc oxidation treatment. Applied Surface Science, 2013, 266, 250-255.	6.1	24

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55	Multifunctional Fe3O4/graphene oxide nanocomposites for magnetic resonance imaging and drug delivery. Materials Chemistry and Physics, 2013, 141, 997-1004.	4.0	125
56	Morphology, crystallization and mechanical properties of poly(É›-caprolactone)/graphene oxide nanocomposites. Chinese Journal of Polymer Science (English Edition), 2013, 31, 1148-1160.	3.8	40
57	Preparation and characterization of PVPI-coated Fe3O4 nanoparticles as an MRI contrast agent. Journal of Magnetism and Magnetic Materials, 2013, 340, 57-60.	2.3	27
58	Properties of magneto-rheological fluids based on amorphous micro-particles. Transactions of Nonferrous Metals Society of China, 2012, 22, 2979-2983.	4.2	17
59	Crystallization behavior of poly(Ìµâ€caprolactone)/Tio₂ nanocomposites obtained by in situ polymerization. Polymer Engineering and Science, 2012, 52, 1047-1057.	3.1	13
60	A comparative study of TiO₂ and surfaceâ€treated TiO₂ nanoparticles on thermal and mechanical properties of poly(Ìµâ€caprolactone) nanocomposites. Journal of Applied Polymer Science, 2012, 125, 3871-3879.	2.6	22
61	Magnetostrictive properties of titanate coupling agent treated Terfenol-D composites. Journal of Magnetism and Magnetic Materials, 2012, 324, 1205-1208.	2.3	14
62	Establishment of rat bone mesenchymal stem cell lines stably expressing Chondromodulin I. International Journal of Clinical and Experimental Medicine, 2012, 5, 34-43.	1.3	2
63	In vitro Behavior of Bacteria on Fluoride Ion-Corted Titanium: with Special Regands on Porphyromonas gingivalis. Journal of Hard Tissue Biology, 2011, 20, 47-52.	0.4	6
64	Synthesis and crystallizability of poly(ethylene glycol)- b -poly(Ìµ-caprolactone)- b -poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	9.9	0
65	MAO-DCPD composite coating on Mg alloy for degradable implant applications. Materials Letters, 2011, 65, 2201-2204.	2.6	67
66	Fabrication of Tb0.3Dy0.7Fe2/epoxy composites: Enhanced uniform magnetostrictive and mechanical properties using a dryprocess. Journal of Magnetism and Magnetic Materials, 2011, 323, 351-355.	2.3	14
67	Optimal orientation field to manufacture magnetostrictive composites with high magnetostrictive performance. Journal of Magnetism and Magnetic Materials, 2010, 322, 3648-3652.	2.3	17
68	Image analysis of the microstructure of pseudo-1-3 magnetostrictive composites. , 2010, , .		0
69	Mechanical and Thermal Properties of Poly(phthalazinone biphenyl ether sulfone)/PEEK Blends. Polymer-Plastics Technology and Engineering, 2009, 48, 882-889.	1.9	2
70	Synthesis and characterization of poly(Ìµâ€caprolactone)â€bâ€poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (glyc Applied Polymer Science, 2009, 111, 429-436.	2.6	16
71	Nonisothermal crystallization and melting behavior of poly(Ìµâ€caprolactone)â€bâ€poly(ethylene) Tj ETQq1 1 0.784314 rgBT /O 1133-1140.	2.6	10
72	Microstructure analysis and thermal properties of l-lactide/É›-caprolactone copolymers obtained with magnesium octoate. Polymer, 2009, 50, 1423-1429.	3.8	29

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73	Phase boundary effects on the mechanical deformation of core/shell Cu/Ag nanoparticles. Journal of Materials Research, 2009, 24, 2210-2214.	2.6	12
74	Influence of arrangement field on magnetostrictive and mechanical properties of magnetostrictive composites. Transactions of Nonferrous Metals Society of China, 2009, 19, 1454-1458.	4.2	11
75	Improved electrical insulation of rare earth permanent magnetic materials with high magnetic properties. Journal of Iron and Steel Research International, 2009, 16, 84-88.	2.8	2
76	Effect of Cu and P on the Crystallization Behavior of Fe-Rich Hetero-Amorphous FeSiB Alloy. Materials Transactions, 2009, 50, 2515-2520.	1.2	46
77	Synthesis of poly(Îµ-caprolactone)-poly(L-lactide) block copolymers by melt or solution sequential copolymerization using nontoxic dibutylmagnesium as initiator. Polymer Bulletin, 2008, 61, 407-413.	3.3	25
78	Topology optimization of a novel stent platform with drug reservoirs. Medical Engineering and Physics, 2008, 30, 1177-1185.	1.7	27
79	The copolymerization of l-lactide and É›-caprolactone using magnesium octoate as a catalyst. Chinese Chemical Letters, 2008, 19, 363-366.	9.0	9
80	The effect of ageing treatment on shape-setting and superelasticity of a nitinol stent. Materials Characterization, 2008, 59, 402-406.	4.4	76
81	Crystallization behavior of Fe78Si13B9 metallic glass under high magnetic field. International Journal of Minerals, Metallurgy, and Materials, 2008, 15, 600-604.	0.2	5
82	3D FE Analysis of Thermal Behavior of Billet in Rod and Wire Hot Continuous Rolling Process. Journal of Iron and Steel Research International, 2007, 14, 29-32.	2.8	5
83	Degradation of porous poly(D , L â€lacticâ€•co â€glycolic acid) films based on water diffusion. Journal of Biomedical Materials Research - Part A, 2007, 80A, 909-915.	4.0	10
84	Synthesis and characterization of biodegradable aliphatic polyesters using dibutylmagnesium as initiator. Chinese Chemical Letters, 2007, 18, 744-746.	9.0	12
85	Kinetics and mechanism of the ring opening polymerization of (R,S)-Î²-butyrolactone initiated with dibutylmagnesium. European Polymer Journal, 2007, 43, 1210-1218.	5.4	12
86	Consideration of cluster and state density of electrons during design of stable amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 449-451, 541-543.	5.6	1
87	Stent expansion in curved vessel and their interactions: A finite element analysis. Journal of Biomechanics, 2007, 40, 2580-2585.	2.1	129
88	Delivery and release of nitinol stent in carotid artery and their interactions: A finite element analysis. Journal of Biomechanics, 2007, 40, 3034-3040.	2.1	102
89	Degradation mechanisms of poly (lactic-co-glycolic acid) films in vitro under static and dynamic environment. Transactions of Nonferrous Metals Society of China, 2006, 16, s293-s297.	4.2	10
90	Internal clusters in crystalline phases related to Zr-based bulk amorphous alloys. Journal of Alloys and Compounds, 2006, 415, 150-155.	5.5	4

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91	Synthesis and characterization of homo- and co-polymers of (R,S)-Î²-butyrolactone and Î³-butyrolactone or Î²-valerolactone initiated with cyclic tin alkoxide. Reactive and Functional Polymers, 2006, 66, 1411-1419.	4.1	19
92	Analysis of the transient expansion behavior and design optimization of coronary stents by finite element method. Journal of Biomechanics, 2006, 39, 21-32.	2.1	149
93	In vitro corrosion behavior of multilayered Ti/TiN coating on biomedical AISI 316L stainless steel. Surface and Coatings Technology, 2006, 200, 4011-4016.	4.8	63
94	In vitro electrochemical corrosion behavior of functionally graded diamond-like carbon coatings on biomedical Nitinol alloy. Thin Solid Films, 2006, 496, 457-462.	1.8	33
95	EIS diagnosis on the corrosion behavior of TiN coated NiTi surgical alloy. Current Applied Physics, 2005, 5, 417-421.	2.4	46
96	Advances in DLC coatings by hybrid PSII and PECVD as a barrier to corrosion in simulated body fluid*. Journal of Materials Science, 2005, 40, 5603-5608.	3.7	9
97	Crystallization behavior of bulk amorphous alloy Zr62Al8Ni13Cu17 under high magnetic field. Scripta Materialia, 2004, 51, 1047-1050.	5.2	25
98	Electronic stability of clusters in devitrification phases of Zr-based amorphous alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 701-704.	5.6	4
99	Geometric structure of Bergman clusters related to bulk amorphous alloys and quasicrystals. Philosophical Magazine, 2004, 84, 825-834.	1.6	14
100	Stability of the Zr-based amorphous alloys evaluated from the electronic structure of their basic clusters. Journal of Non-Crystalline Solids, 2003, 318, 142-148.	3.1	4
101	SYNTHESIS OF TITANIUM CARBIDE POWDER FROM TiO2AND PETROLEUM COKE BY REACTIVE MILLING. Petroleum Science and Technology, 2002, 20, 999-1007.	1.5	14
102	Title is missing!. Journal of Materials Science Letters, 2002, 21, 893-896.	0.5	4
103	On the thermodynamics and kinetics of crystallization of a Zrâ€“Alâ€“Niâ€“Cu-based bulk amorphous alloy. Materials Characterization, 2001, 47, 215-218.	4.4	18
104	Title is missing!. Journal of Materials Science Letters, 1999, 18, 1991-1993.	0.5	2
105	Ring Opening Polymerization of Îµ-Caprolactone Catalyzed with Magnesium Lactate. Materials Science Forum, 0, 610-613, 1208-1210.	0.3	3
106	Electrorheological Elastomers. , 0, , .		6
107	A Novel Brain-Computer Interface Flexible Electrode Material with Magnetorheological property. Materials Advances, 0, , .	5.4	0
108	Properties and mechanism of ionic liquid/silicone oil based magnetorheological fluids. International Journal of Smart and Nano Materials, 0, , 1-10.	4.2	3