

# Min Qi

## List of Publications by Year in descending order

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108  
papers

2,765  
citations

201674

27  
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111  
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111  
docs citations

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times ranked

3298  
citing authors

#	ARTICLE	IF	CITATIONS
1	Development of multifunctional cobalt ferrite/graphene oxide nanocomposites for magnetic resonance imaging and controlled drug delivery. <i>Chemical Engineering Journal</i> , 2016, 289, 150-160.	12.7	174
2	Analysis of the transient expansion behavior and design optimization of coronary stents by finite element method. <i>Journal of Biomechanics</i> , 2006, 39, 21-32.	2.1	149
3	Stent expansion in curved vessel and their interactions: A finite element analysis. <i>Journal of Biomechanics</i> , 2007, 40, 2580-2585.	2.1	129
4	Multifunctional Fe <sub>3</sub> O <sub>4</sub> /graphene oxide nanocomposites for magnetic resonance imaging and drug delivery. <i>Materials Chemistry and Physics</i> , 2013, 141, 997-1004.	4.0	125
5	Effect of Heat Treatment on Cu Distribution, Antibacterial Performance and Cytotoxicity of Ti-6Al-4V-Cu Alloy. <i>Journal of Materials Science and Technology</i> , 2015, 31, 723-732.	10.7	112
6	Effect of copper addition on mechanical properties, corrosion resistance and antibacterial property of 316L stainless steel. <i>Materials Science and Engineering C</i> , 2017, 71, 1079-1085.	7.3	107
7	Delivery and release of nitinol stent in carotid artery and their interactions: A finite element analysis. <i>Journal of Biomechanics</i> , 2007, 40, 3034-3040.	2.1	102
8	Copper precipitation behavior and mechanical properties of Cu-bearing 316L austenitic stainless steel: A comprehensive cross-correlation study. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 675, 243-252.	5.6	85
9	The effect of ageing treatment on shape-setting and superelasticity of a nitinol stent. <i>Materials Characterization</i> , 2008, 59, 402-406.	4.4	76
10	MAO-DCPD composite coating on Mg alloy for degradable implant applications. <i>Materials Letters</i> , 2011, 65, 2201-2204.	2.6	67
11	Hemocompatibility evaluation of polyurethane film with surface-grafted poly(ethylene glycol) and carboxymethyl-chitosan. <i>Journal of Applied Polymer Science</i> , 2013, 127, 308-315.	2.6	66
12	Exosome-functionalized magnesium-organic framework-based scaffolds with osteogenic, angiogenic and anti-inflammatory properties for accelerated bone regeneration. <i>Bioactive Materials</i> , 2022, 18, 26-41.	15.6	66
13	In vitro corrosion behavior of multilayered Ti/TiN coating on biomedical AISI 316L stainless steel. <i>Surface and Coatings Technology</i> , 2006, 200, 4011-4016.	4.8	63
14	Enhanced Electrorheological Properties of Elastomers Containing TiO <sub>2</sub> /Urea Core-Shell Particles. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 24855-24863.	8.0	53
15	Formation and in vitro/in vivo performance of cortex-like micro/nano-structured TiO <sub>2</sub> coatings on titanium by micro-arc oxidation. <i>Materials Science and Engineering C</i> , 2018, 87, 90-103.	7.3	53
16	Improved tunable range of the field-induced storage modulus by using flower-like particles as the active phase of magnetorheological elastomers. <i>Soft Matter</i> , 2018, 14, 3504-3509.	2.7	53
17	Iron nanoparticles-based magnetorheological fluids: A balance between MR effect and sedimentation stability. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 491, 165556.	2.3	49
18	EIS diagnosis on the corrosion behavior of TiN coated NiTi surgical alloy. <i>Current Applied Physics</i> , 2005, 5, 417-421.	2.4	46

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19	Effect of Cu and P on the Crystallization Behavior of Fe-Rich Hetero-Amorphous FeSiB Alloy. <i>Materials Transactions</i> , 2009, 50, 2515-2520.	1.2	46
20	High performance magnetorheological fluids with flower-like cobalt particles. <i>Smart Materials and Structures</i> , 2017, 26, 025023.	3.5	45
21	Morphology, crystallization and mechanical properties of poly( $\epsilon$ -caprolactone)/graphene oxide nanocomposites. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 1148-1160.	3.8	40
22	Characterization and cytocompatibility of hierarchical porous TiO <sub>2</sub> coatings incorporated with calcium and strontium by one-step micro-arc oxidation. <i>Materials Science and Engineering C</i> , 2020, 109, 110610.	7.3	36
23	Enhancement of electrorheological performance of electrorheological elastomers by improving TiO <sub>2</sub> particles/silicon rubber interface. <i>Journal of Materials Chemistry C</i> , 2016, 4, 6806-6815.	5.5	34
24	In vitro electrochemical corrosion behavior of functionally graded diamond-like carbon coatings on biomedical Nitinol alloy. <i>Thin Solid Films</i> , 2006, 496, 457-462.	1.8	33
25	Facile preparation of poly( $\mu$ -caprolactone)/Fe <sub>3</sub> O <sub>4</sub> @graphene oxide superparamagnetic nanocomposites. <i>Polymer Bulletin</i> , 2013, 70, 2359-2371.	3.3	32
26	Micro/nano-hierarchical structured TiO <sub>2</sub> coating on titanium by micro-arc oxidation enhances osteoblast adhesion and differentiation. <i>Royal Society Open Science</i> , 2019, 6, 182031.	2.4	30
27	Microstructure analysis and thermal properties of l-lactide/ $\epsilon$ -caprolactone copolymers obtained with magnesium octoate. <i>Polymer</i> , 2009, 50, 1423-1429.	3.8	29
28	Enhanced cytocompatibility of Ti6Al4V alloy through selective removal of Al and V from the hierarchical micro-arc oxidation coating. <i>Applied Surface Science</i> , 2021, 541, 148547.	6.1	28
29	Topology optimization of a novel stent platform with drug reservoirs. <i>Medical Engineering and Physics</i> , 2008, 30, 1177-1185.	1.7	27
30	Preparation and characterization of PVPI-coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles as an MRI contrast agent. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 340, 57-60.	2.3	27
31	A super-hydrophilic coating with a macro/micro/nano triple hierarchical structure on titanium by two-step micro-arc oxidation treatment for biomedical applications. <i>Surface and Coatings Technology</i> , 2017, 311, 1-9.	4.8	26
32	Crystallization behavior of bulk amorphous alloy Zr <sub>62</sub> Al <sub>8</sub> Ni <sub>13</sub> Cu <sub>17</sub> under high magnetic field. <i>Scripta Materialia</i> , 2004, 51, 1047-1050.	5.2	25
33	Synthesis of poly( $\mu$ -caprolactone)-poly(L-lactide) block copolymers by melt or solution sequential copolymerization using nontoxic dibutylmagnesium as initiator. <i>Polymer Bulletin</i> , 2008, 61, 407-413.	3.3	25
34	Formation and characterization of titania coatings with cortex-like slots formed on Ti by micro-arc oxidation treatment. <i>Applied Surface Science</i> , 2013, 266, 250-255.	6.1	24
35	Properties of cobalt nanofiber-based magnetorheological fluids. <i>RSC Advances</i> , 2015, 5, 13958-13963.	3.6	23
36	Payne effect and damping properties of flower-like cobalt particles-based magnetorheological elastomers. <i>Composites Communications</i> , 2019, 15, 120-128.	6.3	23

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37	A comparative study of TiO <sub>2</sub> and surface-treated TiO <sub>2</sub> nanoparticles on thermal and mechanical properties of poly( $\epsilon$ -caprolactone) nanocomposites. Journal of Applied Polymer Science, 2012, 125, 3871-3879.	2.6	22
38	Biodegradable radiopaque iodinated poly(ester urethane)s containing poly( $\epsilon$ -caprolactone) blocks: Synthesis, characterization, and biocompatibility. Journal of Biomedical Materials Research - Part A, 2014, 102, 1121-1130.	4.0	22
39	Morphology evolution of the porous coatings on Ti-Al alloys by Al adding into Ti during micro-arc oxidation in Na <sub>2</sub> B <sub>4</sub> O <sub>7</sub> electrolyte. Surface and Coatings Technology, 2020, 395, 125948.	4.8	20
40	Synthesis and characterization of homo- and co-polymers of (R,S)- $\hat{1}^2$ -butyrolactone and $\hat{1}^3$ -butyrolactone or $\hat{1}^2$ -valerolactone initiated with cyclic tin alkoxide. Reactive and Functional Polymers, 2006, 66, 1411-1419.	4.1	19
41	On the thermodynamics and kinetics of crystallization of a Zr-Al-Ni-Cu-based bulk amorphous alloy. Materials Characterization, 2001, 47, 215-218.	4.4	18
42	Optimal orientation field to manufacture magnetostrictive composites with high magnetostrictive performance. Journal of Magnetism and Magnetic Materials, 2010, 322, 3648-3652.	2.3	17
43	Properties of magneto-rheological fluids based on amorphous micro-particles. Transactions of Nonferrous Metals Society of China, 2012, 22, 2979-2983.	4.2	17
44	Ionic Liquid-Assisted Anchoring SnO <sub>2</sub> Nanoparticles on Carbon Nanotubes as Highly Cyclable Anode of Lithium Ion Batteries. Advanced Materials Interfaces, 2020, 7, 1901916.	3.7	17
45	Synthesis and characterization of poly( $\epsilon$ -caprolactone)-poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 4 Applied Polymer Science, 2009, 111, 429-436.	2.6	16
46	Uniformly Grafting SnO <sub>2</sub> Nanoparticles on Ionic Liquid Reduced Graphene Oxide Sheets for High Lithium Storage. Advanced Materials Interfaces, 2018, 5, 1701685.	3.7	16
47	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
48	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
49	SYNTHESIS OF TITANIUM CARBIDE POWDER FROM TiO <sub>2</sub> AND PETROLEUM COKE BY REACTIVE MILLING. Petroleum Science and Technology, 2002, 20, 999-1007.	1.5	14
50	Geometric structure of Bergman clusters related to bulk amorphous alloys and quasicrystals. Philosophical Magazine, 2004, 84, 825-834.	1.6	14
51	Fabrication of Tb <sub>0.3</sub> Dy <sub>0.7</sub> Fe <sub>2</sub> /epoxy composites: Enhanced uniform magnetostrictive and mechanical properties using a dryprocess. Journal of Magnetism and Magnetic Materials, 2011, 323, 351-355.	2.3	14
52	Magnetostrictive properties of titanate coupling agent treated Terfenol-D composites. Journal of Magnetism and Magnetic Materials, 2012, 324, 1205-1208.	2.3	14
53	Early osseointegration of implants with cortex-like TiO <sub>2</sub> 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
54	Nitrogen-doped TiO <sub>2</sub> 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

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55	Crystallization behavior of poly( $\epsilon$ -caprolactone)/TiO <sub>2</sub> nanocomposites obtained by in situ polymerization. <i>Polymer Engineering and Science</i> , 2012, 52, 1047-1057.	3.1	13
56	Damping mechanism and theoretical model of electrorheological elastomers. <i>Soft Matter</i> , 2017, 13, 5409-5420.	2.7	13
57	Synthesis and characterization of biodegradable aliphatic polyesters using dibutylmagnesium as initiator. <i>Chinese Chemical Letters</i> , 2007, 18, 744-746.	9.0	12
58	Kinetics and mechanism of the ring opening polymerization of (R,S)- $\beta$ -butyrolactone initiated with dibutylmagnesium. <i>European Polymer Journal</i> , 2007, 43, 1210-1218.	5.4	12
59	Phase boundary effects on the mechanical deformation of core/shell Cu/Ag nanoparticles. <i>Journal of Materials Research</i> , 2009, 24, 2210-2214.	2.6	12
60	Solvothermal synthesis of single-crystalline hexagonal cobalt nanofibers with high coercivity. <i>Materials Letters</i> , 2014, 128, 39-41.	2.6	12
61	Formation and cytocompatibility of a hierarchical porous coating on Ti-20Zr-10Nb-4Ta alloy by micro-arc oxidation. <i>Surface and Coatings Technology</i> , 2020, 404, 126471.	4.8	12
62	Pt Concave Nanocubes with High-Index Facets as Electrocatalysts for Glucose Oxidation. <i>ACS Applied Nano Materials</i> , 2022, 5, 4983-4990.	5.0	12
63	Influence of arrangement field on magnetostrictive and mechanical properties of magnetostrictive composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2009, 19, 1454-1458.	4.2	11
64	An anisotropic three-dimensional electrospun micro/nanofibrous hybrid PLA/PCL scaffold. <i>RSC Advances</i> , 2019, 9, 9838-9844.	3.6	11
65	Degradation mechanisms of poly (lactic-co-glycolic acid) films in vitro under static and dynamic environment. <i>Transactions of Nonferrous Metals Society of China</i> , 2006, 16, s293-s297.	4.2	10
66	Degradation of porous poly(D, L-lactic-co-glycolic acid) films based on water diffusion. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 80A, 909-915.	4.0	10
67	Nonisothermal crystallization and melting behavior of poly( $\epsilon$ -caprolactone)-poly(ethylene) Tj ETQq1 1 0.784314 rgBT (10) 1133-1140.	2.6	10
68	Chondrogenic differentiation of ChM $\alpha$ gene transfected rat bone marrow-derived mesenchymal stem cells on 3-dimensional poly(L-lactic acid) scaffold for cartilage engineering. <i>Cell Biology International</i> , 2015, 39, 300-309.	3.0	10
69	High capacitive sodium-ion storage in N, P co-doped carbon supported on carbon nanotubes. <i>Journal of Electroanalytical Chemistry</i> , 2020, 870, 114200.	3.8	10
70	PVP-grafted synthesis for uniform electrospinning silica@carbon nanofibers as flexible free-standing anode for Li-ion batteries. <i>Solid State Ionics</i> , 2022, 374, 115817.	2.7	10
71	Advances in DLC coatings by hybrid PSII and PECVD as a barrier to corrosion in simulated body fluid*. <i>Journal of Materials Science</i> , 2005, 40, 5603-5608.	3.7	9
72	The copolymerization of L-lactide and $\epsilon$ -caprolactone using magnesium octoate as a catalyst. <i>Chinese Chemical Letters</i> , 2008, 19, 363-366.	9.0	9

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73	Properties of aniline-modified strontium titanyl oxalate-based electrorheological suspension. <i>Smart Materials and Structures</i> , 2014, 23, 075018.	3.5	9
74	The contribution of friction to electrorheological properties of a chrysanthemum-like particle suspension. <i>RSC Advances</i> , 2015, 5, 74656-74663.	3.6	9
75	X-ray visible and doxorubicin-loaded beads based on inherently radiopaque poly(lactic) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 61 1389-1398.	7.3	9
76	Synthesis and characterization of poly(É-capolactone)/Fe3o4 nanocomposites by in situ polymerization. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2013, 31, 1011-1021.	3.8	8
77	Molecular Dynamics Simulations and Experimental Studies of the Microstructure and Mechanical Properties of a Silicone Oil/Functionalized Ionic Liquid-Based Magnetorheological Fluid. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 10987-10997.	8.0	8
78	In vitro Behavior of Bacteria on Fluoride Ion-Corted Titanium: with Special Regands on Porphyromonas gingivalis. <i>Journal of Hard Tissue Biology</i> , 2011, 20, 47-52.	0.4	6
79	Electrorheological Elastomers. , 0, , .		6
80	Shear viscoelasticity of electrospinning PCL nanofibers reinforced alginate hydrogels. <i>Materials Research Express</i> , 2021, 8, 055402.	1.6	6
81	3D FE Analysis of Thermal Behavior of Billet in Rod and Wire Hot Continuous Rolling Process. <i>Journal of Iron and Steel Research International</i> , 2007, 14, 29-32.	2.8	5
82	Crystallization behavior of Fe78Si13B9 metallic glass under high magnetic field. <i>International Journal of Minerals, Metallurgy, and Materials</i> , 2008, 15, 600-604.	0.2	5
83	Enzymatic degradation and radiopaque attenuation of iodinated poly(ester-urethane)s with inherent radiopacity. <i>Journal of Materials Science</i> , 2014, 49, 7834-7843.	3.7	5
84	A Stiffness Tunable Self-Healing Composite Comprising PDMS and Titanium Dioxide. <i>ACS Applied Polymer Materials</i> , 2022, 4, 2656-2663.	4.4	5
85	Electrospun layers by layers orderly stacked SnO2@aligned carbon nanofibers as high conductivity, long cycle life self-standing anode for reversible lithium ions batteries. <i>Surfaces and Interfaces</i> , 2022, 29, 101814.	3.0	5
86	Title is missing!. <i>Journal of Materials Science Letters</i> , 2002, 21, 893-896.	0.5	4
87	Stability of the Zr-based amorphous alloys evaluated from the electronic structure of their basic clusters. <i>Journal of Non-Crystalline Solids</i> , 2003, 318, 142-148.	3.1	4
88	Electronic stability of clusters in devitrification phases of Zr-based amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004, 375-377, 701-704.	5.6	4
89	Internal clusters in crystalline phases related to Zr-based bulk amorphous alloys. <i>Journal of Alloys and Compounds</i> , 2006, 415, 150-155.	5.5	4
90	Creep and recovery behaviors of electrorheological elastomers and time-electric field superposition principle. <i>Smart Materials and Structures</i> , 2020, 29, 025009.	3.5	4

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91	Ring Opening Polymerization of $\epsilon$ -Caprolactone Catalyzed with Magnesium Lactate. Materials Science Forum, 0, 610-613, 1208-1210.	0.3	3
92	Proteomic analysis of chondromodulin-I-induced differentiation of mesenchymal stem cells into chondrocytes. Journal of Proteomics, 2017, 159, 1-18.	2.4	3
93	Influence of chain-like cobalt particles on the properties of magnetorheological elastomers. Smart Materials and Structures, 2022, 31, 035007.	3.5	3
94	Properties and mechanism of ionic liquid/silicone oil based magnetorheological fluids. International Journal of Smart and Nano Materials, 0, , 1-10.	4.2	3
95	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
96	Title is missing!. Journal of Materials Science Letters, 1999, 18, 1991-1993.	0.5	2
97	Mechanical and Thermal Properties of Poly(phthalazinone biphenyl ether sulfone)/PEEK Blends. Polymer-Plastics Technology and Engineering, 2009, 48, 882-889.	1.9	2
98	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
99	Facile preparation and cytocompatibility of poly(lactic acid)/poly(3-hydroxybutyrate) blends. Journal of Applied Polymer Science, 2014, 54, 2902-2910.	3.1	2
100	Extended Dislocations in Plastically Deformed Metallic Nanoparticles. Nanomaterials and Nanotechnology, 2016, 6, 34.	3.0	2
101	Preparation and viscoelasticity of anisotropic polyurethane composites filled with TiO <sub>2</sub> particles. Journal of Applied Polymer Science, 2019, 136, 47450.	2.6	2
102	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
103	Effect of pore orientation on shear viscoelasticity of cellulose nanocrystal/collagen hydrogels. Journal of Applied Polymer Science, 2021, 138, 49856.	2.6	2
104	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
105	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
106	Image analysis of the microstructure of pseudo-1-3 magnetostrictive composites. , 2010, , .		0
107	Synthesis and crystallizability of poly(ethylene glycol)-b-poly( $\epsilon$ -caprolactone)-b-poly(ethylene glycol). Journal of Applied Polymer Science, 2019, 136, 47450.	9.9	0
108	A Novel Brain-Computer Interface Flexible Electrode Material with Magnetorheological property. Materials Advances, 0, , .	5.4	0