

Seyed Morteza Masoudpanah

List of Publications by Year in descending order

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113
papers

2,650
citations

172386

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h-index

254106

43
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113
all docs

113
docs citations

113
times ranked

2359
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced electromagnetic wave absorption performance of Ni ²⁺ /Zn ferrite through the added structural macroporosity. <i>Journal of Materials Research and Technology</i> , 2022, 16, 700-714.	2.6	20
2	Fabrication of porous Cu ₂ S nanosheets for high performance hybrid supercapacitor. <i>Journal of Energy Storage</i> , 2022, 45, 103781.	3.9	11
3	High-performance hybrid capacitors based on the FeNi ₃ /NiFe ₂ O ₄ composite powders synthesized by combustion method. <i>Journal of Materials Research and Technology</i> , 2022, 16, 1578-1587.	2.6	8
4	Photocatalytic properties of ZnO/SnO ₂ nanocomposite films: role of morphology. <i>Journal of Materials Research and Technology</i> , 2022, 17, 2305-2312.	2.6	17
5	Combustion synthesis of porous Fe _{3-x} Zn _x O ₄ powders for high-performance microwave absorbers. <i>Ceramics International</i> , 2022, 48, 14201-14209.	2.3	3
6	High-performance microwave absorbers based on (CoNiCuZn) _{1-x} Mn _x Fe ₂ O ₄ spinel ferrites. <i>Journal of Alloys and Compounds</i> , 2022, 909, 164637.	2.8	9
7	Structural, magnetic and optical properties and photocatalytic activity of magnesium-calcium ferrite powders. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 148, 109681.	1.9	28
8	Facile synthesis of hierarchical porous Na ₃ V ₂ (PO ₄) ₃ /C composites with high-performance Na storage properties. <i>Journal of Power Sources</i> , 2021, 481, 228828.	4.0	31
9	Photocatalytic performances of cobalt sulfides prepared by solution combustion synthesis using mixed fuels. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 149, 109805.	1.9	7
10	Photocatalytic activity of solution combustion synthesized ZnO powders by using a mixture of DTAB and citric acid fuels. <i>Journal of Physics and Chemistry of Solids</i> , 2021, 151, 109895.	1.9	2
11	Structural, optical and photocatalytic properties of cuboid ZnO particles. <i>Journal of Materials Research and Technology</i> , 2021, 11, 112-120.	2.6	10
12	Structural, microstructural, and electrochemical properties of LiFePO ₄ powders synthesized by mixture of fuels. <i>Journal of Sol-Gel Science and Technology</i> , 2021, 98, 193-201.	1.1	4
13	Structural, magnetic, and gigahertz-range electromagnetic wave absorption properties of bulk Ni ²⁺ /Zn ferrite. <i>Scientific Reports</i> , 2021, 11, 9468.	1.6	34
14	The effects of cold rolling and aging conditions on the microstructure and magnetic properties of a semi-hard Fe ²⁺ /Mo ⁶⁺ /Ni magnetic alloy. <i>Journal of Materials Research and Technology</i> , 2021, 12, 521-529.	2.6	0
15	Solution combustion synthesis of hierarchical porous LiFePO ₄ powders as cathode materials for lithium-ion batteries. <i>Advanced Powder Technology</i> , 2021, 32, 1935-1942.	2.0	13
16	Solution combustion synthesis of nickel sulfide/reduced graphene oxide composite powders as electrode materials for high-performance supercapacitors. <i>Journal of Energy Storage</i> , 2021, 39, 102637.	3.9	20
17	Oxalate-assisted solvothermal synthesis of octahedral LiMn _{1.5} Ni _{0.5} O ₄ particles for lithium-ion batteries. <i>Journal of Materials Research and Technology</i> , 2021, 13, 61-69.	2.6	5
18	Hierarchical porous Fe ₃ O ₄ /RGO nanocomposite powders as high performance microwave absorbers. <i>Journal of Materials Research and Technology</i> , 2021, 13, 548-560.	2.6	22

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19	Effects of ethylene glycol contents on phase formation, magnetic properties and photocatalytic activity of CuFe ₂ O ₄ /Cu ₂ O/Cu nanocomposite powders synthesized by solvothermal method. Journal of Materials Research and Technology, 2021, 14, 229-241.	2.6	18
20	Electromagnetic microwave absorption properties of high entropy spinel ferrite ((MnNiCuZn) _{1-x} CoxFe ₂ O ₄)/graphene nanocomposites. Journal of Materials Research and Technology, 2021, 14, 1099-1111.	2.6	42
21	Structure, magnetic, and microwave absorption properties of (MnNiCu) _{0.9-x} CoxZn _{0.1} Fe ₂ O ₄ /graphene composite powders. Journal of Alloys and Compounds, 2021, 878, 160337.	2.8	6
22	Microwave absorption properties of porous NiZn ferrite powders synthesized by solution combustion method: Effect of fuel contents. Journal of Alloys and Compounds, 2021, 886, 161195.	2.8	18
23	L-Lysine-assisted solvothermal synthesis of hollow-like structure LiFePO ₄ /C powders as cathode materials for Li-ion batteries. Journal of Materials Research and Technology, 2021, 15, 5405-5413.	2.6	9
24	Correlation between shear punch and tensile measurements for an AZ31 Mg alloy processed by equal-channel angular pressing. Metallic Materials, 2021, 49, 43-50.	0.2	12
25	Photocatalytic Activity of Nickel Sulfide Composite Powders Synthesized by Solution Combustion Method. Journal of Electronic Materials, 2020, 49, 1266-1272.	1.0	10
26	Electrochemical properties of LiMn _{1.5} Ni _{0.5} O ₄ powders synthesized by solution combustion method: Effect of CTAB as a fuel. Advanced Powder Technology, 2020, 31, 639-644.	2.0	7
27	Effect of sulfate group-containing fuels on the morphology of ZnO powders prepared by solution combustion synthesis. Journal of Materials Research and Technology, 2020, 9, 11876-11883.	2.6	7
28	Effects of fuel contents on physicochemical properties and photocatalytic activity of CuFe ₂ O ₄ /reduced graphene oxide (RGO) nanocomposites synthesized by solution combustion method. Journal of Materials Research and Technology, 2020, 9, 13402-13410.	2.6	32
29	Effects of flow velocity and impact angle on erosion-corrosion of an API-5 L X65 steel coated by plasma nitriding of hard chromium underlayer. Journal of Materials Research and Technology, 2020, 9, 10054-10061.	2.6	7
30	Effect of Reducing Agent on Solution Synthesis of Li ₃ V ₂ (PO ₄) ₃ Cathode Material for Lithium Ion Batteries. Molecules, 2020, 25, 3746.	1.7	11
31	Facile synthesis of plate-like copper sulfide powder as an electrode material for high-performance supercapacitors. Journal of Materials Science: Materials in Electronics, 2020, 31, 17614-17623.	1.1	8
32	A facial synthesis of MgFe ₂ O ₄ /RGO nanocomposite powders as a high performance microwave absorber. Journal of Alloys and Compounds, 2020, 834, 155166.	2.8	44
33	Structural and magnetic properties of MgFe ₂ O ₄ powders synthesized by solution combustion method: the effect of fuel type. Journal of Materials Research and Technology, 2020, 9, 4469-4475.	2.6	35
34	A solution synthesis of Na ₃ V ₂ (PO ₄) ₃ cathode for sodium storage by using CTAB additive. Solid State Ionics, 2020, 347, 115269.	1.3	24
35	Structural and optical properties of ZnAl ₂ O ₄ powders synthesized by solution combustion method: Effects of mixture of fuels. Optik, 2020, 204, 164170.	1.4	17
36	Different morphologies of ZnO via solution combustion synthesis: The role of fuel. Materials Research Bulletin, 2020, 125, 110784.	2.7	22

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37	Effects of Calcination Temperature on Magnetic and Microwave Absorption Properties of SrFe ₁₂ O ₁₉ /Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ Composites. <i>Journal of Electronic Materials</i> , 2020, 49, 1742-1748.	1.0	15
38	Solution Combustion Synthesis of Fe ₃ O ₄ Powders Using Mixture of CTAB and Citric Acid Fuels. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 353-360.	0.8	14
39	Thermal Decomposition Synthesis of MgFe ₂ O ₄ Nanoparticles for Magnetic Hyperthermia. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 1347-1352.	0.8	20
40	Magnetic and microwave absorption properties of FeCo/CoFe ₂ O ₄ composite powders. <i>Journal of Alloys and Compounds</i> , 2019, 809, 151746.	2.8	70
41	Solution combustion synthesis of LiMn _{1.5} Ni _{0.5} O ₄ powders by a mixture of fuels. <i>Ceramics International</i> , 2019, 45, 22849-22853.	2.3	6
42	Magnetic and microwave absorption properties of SrZnCoFe ₁₆ O ₂₇ /CoFe ₂ O ₄ and SrZnCoFe ₁₆ O ₂₇ /SrFe ₁₂ O ₁₉ composite powders. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	8
43	Salt-Assisted Solution Combustion Synthesis of Ni and Ni/NiO Powders. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 3321-3327.	0.8	6
44	CTAB-assisted solution combustion synthesis of LiFePO ₄ powders. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 91, 335-341.	1.1	11
45	Mesoporous honeycomb-like ZnO as ultraviolet photocatalyst synthesized via solution combustion method. <i>Materials Research Bulletin</i> , 2019, 117, 72-77.	2.7	26
46	Photocatalytic activity of ZnO/RGO composite synthesized by one-pot solution combustion method. <i>Materials Research Bulletin</i> , 2019, 115, 191-195.	2.7	60
47	Photocatalytic performances of BiFeO ₃ powders synthesized by solution combustion method: The role of mixed fuels. <i>Materials Chemistry and Physics</i> , 2019, 228, 168-174.	2.0	29
48	Magnetic and microwave absorption properties of FeNi ₃ /NiFe ₂ O ₄ composites synthesized by solution combustion method. <i>Journal of Alloys and Compounds</i> , 2019, 787, 390-396.	2.8	52
49	Facile synthesis of ZnO nanosheets as ultraviolet photocatalyst. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 594-601.	1.1	7
50	Photocatalytic properties of solution combustion synthesized ZnO powders using mixture of CTAB and glycine and citric acid fuels. <i>Advanced Powder Technology</i> , 2019, 30, 284-291.	2.0	28
51	Solution Combustion Synthesis of BiFeO ₃ Powders Using CTAB as Fuel. <i>Journal of Electronic Materials</i> , 2019, 48, 409-415.	1.0	3
52	Solution combustion synthesis of ZnO powders using various surfactants as fuel. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 586-593.	1.1	13
53	Structural and magnetic properties of Mn _{0.8} Zn _{0.2} Fe ₂ O ₄ /PVA composites. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 458, 80-84.	1.0	5
54	Photocatalytic properties of ZnO powders synthesized by conventional and microwave-assisted solution combustion method. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 711-718.	1.1	13

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55	Solution combustion synthesis of ZnO powders using mixture of fuels in closed system. <i>Ceramics International</i> , 2018, 44, 12684-12690.	2.3	28
56	Magnetic, hyperthermic and structural properties of zn substituted CaFe ₂ O ₄ powders. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	1.1	14
57	Solution Combustion Synthesis of Ni/NiO/ZnO Nanocomposites for Photodegradation of Methylene Blue Under Ultraviolet Irradiation. <i>Journal of Electronic Materials</i> , 2018, 47, 2703-2709.	1.0	12
58	Solution combustion synthesis of ZnO powders using CTAB as fuel. <i>Ceramics International</i> , 2018, 44, 7741-7745.	2.3	39
59	Photocatalytic activity of BiFeO ₃ /ZnFe ₂ O ₄ nanocomposites under visible light irradiation. <i>RSC Advances</i> , 2018, 8, 6988-6995.	1.7	48
60	On the Interaction Between Erosion and Corrosion in Chromium Carbide Coating. <i>Journal of Bio- and Tribo-Corrosion</i> , 2018, 4, 1.	1.2	8
61	Magnetic and microwave absorption properties of SrZnCoFe ₁₆ O ₂₇ powders synthesized by solution combustion method. <i>Journal of Alloys and Compounds</i> , 2018, 739, 211-217.	2.8	10
62	Enhanced Photocatalytic Activity of Two-Pot-Synthesized BiFeO ₃ /ZnFe ₂ O ₄ Heterojunction Nanocomposite. <i>Journal of Electronic Materials</i> , 2018, 47, 2225-2229.	1.0	7
63	Effect of Zn substitution on the structural and magnetic properties of densely packed Co ^x Zn _x Fe ₂ O ₄ Nanowires. <i>Iranian Journal of Science and Technology, Transaction A: Science</i> , 2018, 42, 1247-1251.	0.7	0
64	Microwave-assisted solution combustion synthesis of BiFeO ₃ powders. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 751-759.	1.1	13
65	Solution combustion synthesis of nickel sulfide composite powders. <i>Ceramics International</i> , 2018, 44, 17277-17282.	2.3	24
66	Structural, magnetic and microwave absorption properties of SrFe ₁₂ O ₁₉ /Ni _{0.6} Zn _{0.4} Fe ₂ O ₄ composites prepared by one-pot solution combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2018, 466, 1-6.	1.0	46
67	Solution combustion synthesis of CoFe ₂ O ₄ powders using mixture of CTAB and glycine fuels. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 86, 743-750.	1.1	20
68	Effect of fuel type on the microstructure and magnetic properties of solution combusted Fe ₃ O ₄ powders. <i>Ceramics International</i> , 2017, 43, 7448-7453.	2.3	57
69	Effect of Flow Velocity and Impact Angle on Erosion/Corrosion Behavior of Chromium Carbide Coating. <i>Journal of Tribology</i> , 2017, 139, .	1.0	8
70	Structural, magnetic and photocatalytic characterization of Bi ^x La _x FeO ₃ nanoparticles synthesized by thermal decomposition method. <i>Bulletin of Materials Science</i> , 2017, 40, 93-100.	0.8	11
71	PVA assisted coprecipitation synthesis and characterization of MgFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2017, 43, 6263-6267.	2.3	33
72	Mixture of fuels for solution combustion synthesis of porous Fe ₃ O ₄ powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 432, 24-29.	1.0	46

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73	Effects of the fuel type and fuel content on the specific surface area and magnetic properties of solution combusted CoFe ₂ O ₄ nanoparticles. <i>Ceramics International</i> , 2017, 43, 8262-8268.	2.3	51
74	Synthesis of CoFe ₂ O ₄ powders with high surface area by solution combustion method: Effect of fuel content and cobalt precursor. <i>Ceramics International</i> , 2017, 43, 3797-3803.	2.3	71
75	Magnetic properties of Li _{0.5} Fe _{2.5} O ₄ nanoparticles synthesized by solution combustion method. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	34
76	Effects of pH value on the microstructure and magnetic properties of solution combusted Fe ₃ O ₄ powders. <i>Ceramics International</i> , 2017, 43, 13729-13734.	2.3	18
77	Microwave-assisted solution combustion synthesis of Fe ₃ O ₄ powders. <i>Ceramics International</i> , 2017, 43, 14756-14762.	2.3	45
78	Structural and magnetic properties of ZnFe _{2-x} In _x O ₄ nanoparticles synthesized by solution combustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 442, 468-473.	1.0	9
79	The effect of post-calcination on cation distributions and magnetic properties of the coprecipitated MgFe ₂ O ₄ nanoparticles. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	36
80	Effect of starting solution acidity on the characteristics of CoFe ₂ O ₄ powders prepared by solution combustion synthesis. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 424, 352-358.	1.0	56
81	Structural, Magnetic and Photocatalytic Properties of BiFeO ₃ Nanoparticles. <i>Journal of Nanostructures</i> , 2017, 7, .	0.6	6
82	Magnetic properties and photocatalytic activity of ZnFe _{2-x} La _x O ₄ nanoparticles synthesized by sol-gel autocombustion method. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 80, 487-494.	1.1	16
83	Conventional versus microwave combustion synthesis of CoFe ₂ O ₄ nanoparticles. <i>Journal of Sol-Gel Science and Technology</i> , 2016, 79, 176-183.	1.1	30
84	Effect of Nd ³⁺ Substitution on the Phase Evolution and Magnetic Properties of W-Type Strontium Hexaferrite. <i>Journal of Superconductivity and Novel Magnetism</i> , 2016, 29, 1273-1278.	0.8	8
85	Magnetic and microwave absorption properties of ZnCo-substituted W-type strontium hexaferrite. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 382, 233-236.	1.0	15
86	Synthesis and Characterization of Superparamagnetic Zinc Ferrite-Chitosan Composite Nanoparticles. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2143-2147.	0.8	14
87	The effect of the ethylene glycol to metal nitrate molar ratio on the phase evolution, morphology and magnetic properties of single phase BiFeO ₃ nanoparticles. <i>Ceramics International</i> , 2015, 41, 9642-9646.	2.3	21
88	Effects of High-Energy Ball Milling on the Microwave Absorption Properties of Sr _{0.9} Nd _{0.1} Fe ₁₂ O ₁₉ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 2715-2720.	0.8	9
89	Sol-Gel Synthesis and Characterization of SrFe ₁₂ O ₁₉ /TiO ₂ Nanocomposites. <i>Journal of Superconductivity and Novel Magnetism</i> , 2015, 28, 89-94.	0.8	7
90	Effects of pH and citric acid content on the structure and magnetic properties of MnZn ferrite nanoparticles synthesized by a sol-gel autocombustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 357, 77-81.	1.0	48

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91	Magnetic properties of MnZn ferrite nanoparticles obtained by SHS and sol-gel autocombustion techniques. <i>Ceramics International</i> , 2014, 40, 6713-6718.	2.3	40
92	Comparison of the microstructure and magnetic properties of strontium hexaferrite films deposited on Al ₂ O ₃ (0001), Si(100)/Pt(111) and Si(100) substrates by pulsed laser technique. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 350, 81-85.	1.0	5
93	Synthesis and characterization of high aspect ratio NiFe ₂ O ₄ nanowire. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014, 110, 235-238.	2.6	7
94	Magnetic Properties of Zinc Ferrite Nanoparticles Synthesized by Coprecipitation Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1587-1592.	0.8	41
95	Structure and magnetic properties of La substituted ZnFe ₂ O ₄ nanoparticles synthesized by sol-gel autocombustion method. <i>Journal of Magnetism and Magnetic Materials</i> , 2014, 370, 122-126.	1.0	69
96	Synthesis and Characterization of Pure Single Phase BiFeO ₃ Nanoparticles by the Glyoxylate Precursor Method. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 2795-2801.	0.8	17
97	SrFeO amorphous underlayer for fabrication of c-axis perpendicularly orientated strontium hexaferrite films by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 341, 36-39.	1.0	1
98	Wear Behavior of Multiwalled Carbon Nanotube/AZ31 Composite Obtained by Friction Stir Processing. <i>Tribology Transactions</i> , 2013, 56, 827-832.	1.1	40
99	Structure and magnetic properties of nanocrystalline SrFe ₁₂ O ₁₉ thin films synthesized by the Pechini method. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 342, 128-133.	1.0	17
100	The effects of amorphous Al ₂ O ₃ underlayer on the microstructure and magnetic properties of BaFe ₁₂ O ₁₉ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 343, 82-85.	1.0	2
101	Microstructure and magnetic properties of La-Co substituted strontium hexaferrite films prepared by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 342, 134-138.	1.0	14
102	Influence of metal precursor on the synthesis and magnetic properties of nanocrystalline SrFe ₁₂ O ₁₉ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 343, 276-280.	1.0	12
103	Structural characterization and magnetic properties of superparamagnetic zinc ferrite nanoparticles synthesized by the coprecipitation method. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 3762-3765.	1.0	139
104	Effect of oxygen pressure on microstructure and magnetic properties of strontium hexaferrite (SrFe ₁₂ O ₁₉) film prepared by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 1440-1443.	1.0	11
105	Synthesis and characterization of nanostructured strontium hexaferrite thin films by the sol-gel method. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2239-2244.	1.0	43
106	Magnetic properties of strontium hexaferrite films prepared by pulsed laser deposition. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2654-2658.	1.0	15
107	Preparation of strontium hexaferrite film by pulsed laser deposition with in situ heating and post annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 2894-2898.	1.0	13
108	Effect of citric acid content on the structural and magnetic properties of SrFe ₁₂ O ₁₉ thin films. <i>Thin Solid Films</i> , 2011, 520, 199-203.	0.8	25

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109	Effect of pH value on the structural and magnetic properties of nanocrystalline strontium hexaferrite thin films. Journal of Magnetism and Magnetic Materials, 2011, 323, 2643-2647.	1.0	25
110	Fe/Sr ratio and calcination temperature effects on processing of nanostructured strontium hexaferrite thin films by a sol-gel method. Research on Chemical Intermediates, 2011, 37, 259-266.	1.3	18
111	Effects of rare earth elements and Ca additions on high temperature mechanical properties of AZ31 magnesium alloy processed by ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 3685-3689.	2.6	26
112	The microstructure, tensile, and shear deformation behavior of an AZ31 magnesium alloy after extrusion and equal channel angular pressing. Materials & Design, 2010, 31, 3512-3517.	5.1	106
113	Effects of rare-earth elements and Ca additions on the microstructure and mechanical properties of AZ31 magnesium alloy processed by ECAP. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 526, 22-30.	2.6	87