

Shouheng Sun

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189
papers

34,606
citations

87
h-index

186
g-index

193
ext. papers

37,547
ext. citations

12.3
avg, IF

7.55
L-index

#	Paper	IF	Citations
189	Monodisperse MFe ₂ O ₄ (M = Fe, Co, Mn) nanoparticles. <i>Journal of the American Chemical Society</i> , 2004 , 126, 273-9	16.4	2966
188	Size-controlled synthesis of magnetite nanoparticles. <i>Journal of the American Chemical Society</i> , 2002 , 124, 8204-5	16.4	2323
187	Exchange-coupled nanocomposite magnets by nanoparticle self-assembly. <i>Nature</i> , 2002 , 420, 395-8	50.4	1401
186	Synthesis, functionalization, and biomedical applications of multifunctional magnetic nanoparticles. <i>Advanced Materials</i> , 2010 , 22, 2729-42	24	1129
185	Magnetic nanoparticles: synthesis, functionalization, and applications in bioimaging and magnetic energy storage. <i>Chemical Society Reviews</i> , 2009 , 38, 2532-42	58.5	964
184	Monodisperse Au nanoparticles for selective electrocatalytic reduction of CO ₂ to CO. <i>Journal of the American Chemical Society</i> , 2013 , 135, 16833-6	16.4	958
183	Tuning nanoparticle catalysis for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8526-44	16.4	808
182	Magnetic core/shell Fe ₃ O ₄ /Au and Fe ₃ O ₄ /Au/Ag nanoparticles with tunable plasmonic properties. <i>Journal of the American Chemical Society</i> , 2007 , 129, 8698-9	16.4	776
181	Active and selective conversion of CO ₂ to CO on ultrathin Au nanowires. <i>Journal of the American Chemical Society</i> , 2014 , 136, 16132-5	16.4	630
180	Spin-dependent tunneling in self-assembled cobalt-nanocrystal superlattices. <i>Science</i> , 2000 , 290, 1131-4	33.3	586
179	FePt nanoparticles assembled on graphene as enhanced catalyst for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2012 , 134, 2492-5	16.4	581
178	Oleylamine-mediated synthesis of Pd nanoparticles for catalytic formic acid oxidation. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4588-9	16.4	572
177	Synthesis of monodisperse Pt nanocubes and their enhanced catalysis for oxygen reduction. <i>Journal of the American Chemical Society</i> , 2007 , 129, 6974-5	16.4	507
176	Bimagnetic Core/Shell FePt/Fe ₃ O ₄ Nanoparticles. <i>Nano Letters</i> , 2004 , 4, 187-190	11.5	474
175	Au-Fe ₃ O ₄ dumbbell nanoparticles as dual-functional probes. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 173-6	16.4	464
174	Oleylamine as Both Reducing Agent and Stabilizer in a Facile Synthesis of Magnetite Nanoparticles. <i>Chemistry of Materials</i> , 2009 , 21, 1778-1780	9.6	458
173	PET/MRI dual-modality tumor imaging using arginine-glycine-aspartic (RGD)-conjugated radiolabeled iron oxide nanoparticles. <i>Journal of Nuclear Medicine</i> , 2008 , 49, 1371-9	8.9	448

172	Synthesis and stabilization of monodisperse Fe nanoparticles. <i>Journal of the American Chemical Society</i> , 2006 , 128, 10676-7	16.4	448
171	Monodisperse nickel nanoparticles and their catalysis in hydrolytic dehydrogenation of ammonia borane. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1468-9	16.4	437
170	Tuning Sn-Catalysis for Electrochemical Reduction of CO to CO via the Core/Shell Cu/SnO Structure. <i>Journal of the American Chemical Society</i> , 2017 , 139, 4290-4293	16.4	431
169	Monodisperse magnetic nanoparticles for theranostic applications. <i>Accounts of Chemical Research</i> , 2011 , 44, 875-82	24.3	411
168	Ultrathin Au nanowires and their transport properties. <i>Journal of the American Chemical Society</i> , 2008 , 130, 8902-3	16.4	410
167	Organic Phase Syntheses of Magnetic Nanoparticles and Their Applications. <i>Chemical Reviews</i> , 2016 , 116, 10473-512	68.1	402
166	Structurally ordered FePt nanoparticles and their enhanced catalysis for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2010 , 132, 4996-7	16.4	396
165	Porous hollow Fe ₃ O ₄ nanoparticles for targeted delivery and controlled release of cisplatin. <i>Journal of the American Chemical Society</i> , 2009 , 131, 10637-44	16.4	394
164	Ultrasmall c(RGDyK)-coated Fe ₃ O ₄ nanoparticles and their specific targeting to integrin alpha(v)beta3-rich tumor cells. <i>Journal of the American Chemical Society</i> , 2008 , 130, 7542-3	16.4	372
163	Co/CoO nanoparticles assembled on graphene for electrochemical reduction of oxygen. <i>Angewandte Chemie - International Edition</i> , 2012 , 51, 11770-3	16.4	364
162	FePt and CoPt nanowires as efficient catalysts for the oxygen reduction reaction. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3465-8	16.4	361
161	Surfactant Removal for Colloidal Nanoparticles from Solution Synthesis: The Effect on Catalytic Performance. <i>ACS Catalysis</i> , 2012 , 2, 1358-1362	13.1	361
160	Dumbbell-like Au-Fe ₃ O ₄ nanoparticles for target-specific platinum delivery. <i>Journal of the American Chemical Society</i> , 2009 , 131, 4216-7	16.4	349
159	Ni-C-N Nanosheets as Catalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14546-14549	16.4	336
158	Syntheses, Properties, and Potential Applications of Multicomponent Magnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2008 , 18, 391-400	15.6	334
157	A facile synthesis of monodisperse Au nanoparticles and their catalysis of CO oxidation. <i>Nano Research</i> , 2008 , 1, 229-234	10	332
156	One-step synthesis of FePt nanoparticles with tunable size. <i>Journal of the American Chemical Society</i> , 2004 , 126, 8394-5	16.4	329
155	Monodisperse AgPd alloy nanoparticles and their superior catalysis for the dehydrogenation of formic acid. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 3681-4	16.4	314

154	Controlled Synthesis and Assembly of FePt Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 5419-5425	3.4	308
153	New approach to fully ordered fct-FePt nanoparticles for much enhanced electrocatalysis in acid. <i>Nano Letters</i> , 2015 , 15, 2468-73	11.5	304
152	Tuning nanoparticle structure and surface strain for catalysis optimization. <i>Journal of the American Chemical Society</i> , 2014 , 136, 7734-9	16.4	293
151	Stable Cobalt Nanoparticles and Their Monolayer Array as an Efficient Electrocatalyst for Oxygen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 7071-4	16.4	281
150	Synthesis of FePt nanocubes and their oriented self-assembly. <i>Journal of the American Chemical Society</i> , 2006 , 128, 7132-3	16.4	279
149	A general strategy for synthesizing FePt nanowires and nanorods. <i>Angewandte Chemie - International Edition</i> , 2007 , 46, 6333-5	16.4	272
148	Seed-mediated synthesis of core/shell FePtM/FePt (M = Pd, Au) nanowires and their electrocatalysis for oxygen reduction reaction. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13879-84	16.4	251
147	A New Core/Shell NiAu/Au Nanoparticle Catalyst with Pt-like Activity for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5859-62	16.4	229
146	A General Approach to Noble Metal/Metal Oxide Dumbbell Nanoparticles and Their Catalytic Application for CO Oxidation. <i>Chemistry of Materials</i> , 2010 , 22, 3277-3282	9.6	225
145	Composition effects of FePt alloy nanoparticles on the electro-oxidation of formic acid. <i>Langmuir</i> , 2007 , 23, 11303-10	4	224
144	Accelerating the Translation of Nanomaterials in Biomedicine. <i>ACS Nano</i> , 2015 , 9, 6644-54	16.7	220
143	Cu-based nanocatalysts for electrochemical reduction of CO ₂ . <i>Nano Today</i> , 2018 , 21, 41-54	17.9	217
142	Composition-Controlled Synthesis of Bimetallic PdPt Nanoparticles and Their Electro-oxidation of Methanol. <i>Chemistry of Materials</i> , 2011 , 23, 4199-4203	9.6	210
141	A facile synthesis of MPd (M = Co, Cu) nanoparticles and their catalysis for formic acid oxidation. <i>Nano Letters</i> , 2012 , 12, 1102-6	11.5	208
140	Graphene and its composites with nanoparticles for electrochemical energy applications. <i>Nano Today</i> , 2014 , 9, 668-683	17.9	204
139	Fe Stabilization by Intermetallic L1-FePt and Pt Catalysis Enhancement in L1-FePt/Pt Nanoparticles for Efficient Oxygen Reduction Reaction in Fuel Cells. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2926-2932	16.4	196
138	Tandem Dehydrogenation of Ammonia Borane and Hydrogenation of Nitro/Nitrile Compounds Catalyzed by Graphene-Supported NiPd Alloy Nanoparticles. <i>ACS Catalysis</i> , 2014 , 4, 1777-1782	13.1	189
137	Monodisperse gold-palladium alloy nanoparticles and their composition-controlled catalysis in formic acid dehydrogenation under mild conditions. <i>Nanoscale</i> , 2013 , 5, 910-2	7.7	186

136	Functional links between Pt single crystal morphology and nanoparticles with different size and shape: the oxygen reduction reaction case. <i>Energy and Environmental Science</i> , 2014 , 7, 4061-4069	35.4	176
135	Linking Hydrophilic Macromolecules to Monodisperse Magnetite (Fe ₃ O ₄) Nanoparticles via Trichloro-s-triazine. <i>Chemistry of Materials</i> , 2006 , 18, 5401-5403	9.6	171
134	Hard-Magnet L10-CoPt Nanoparticles Advance Fuel Cell Catalysis. <i>Joule</i> , 2019 , 3, 124-135	27.8	171
133	Ni/Pd core/shell nanoparticles supported on graphene as a highly active and reusable catalyst for Suzuki-Miyaura cross-coupling reaction. <i>Nano Research</i> , 2013 , 6, 10-18	10	164
132	One-Pot Synthesis of Oleylamine Coated AuAg Alloy NPs and Their Catalysis for CO Oxidation. <i>Chemistry of Materials</i> , 2009 , 21, 433-435	9.6	164
131	Structure-induced enhancement in electrooxidation of trimetallic FePtAu nanoparticles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5060-3	16.4	163
130	Stable single-crystalline body centered cubic Fe nanoparticles. <i>Nano Letters</i> , 2011 , 11, 1641-5	11.5	155
129	Synthesis and characterization of multimetallic Pd/Au and Pd/Au/FePt core/shell nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 9368-72	16.4	152
128	Monodisperse magnetic nanoparticles for biomedical applications. <i>Polymer International</i> , 2007 , 56, 821-826	8.2	149
127	Controlled assembly of Cu nanoparticles on pyridinic-N rich graphene for electrochemical reduction of CO ₂ to ethylene. <i>Nano Energy</i> , 2016 , 24, 1-9	17.1	146
126	Monodisperse core/shell Ni/FePt nanoparticles and their conversion to Ni/Pt to catalyze oxygen reduction. <i>Journal of the American Chemical Society</i> , 2014 , 136, 15921-4	16.4	144
125	Core/Shell Face-Centered Tetragonal FePd/Pd Nanoparticles as an Efficient Non-Pt Catalyst for the Oxygen Reduction Reaction. <i>ACS Nano</i> , 2015 , 9, 11014-22	16.7	142
124	Dispersible Ferromagnetic FePt Nanoparticles. <i>Advanced Materials</i> , 2009 , 21, 906-909	24	137
123	Rational synthesis of heterostructured nanoparticles with morphology control. <i>Journal of the American Chemical Society</i> , 2010 , 132, 6524-9	16.4	134
122	?Magnetotransport of magnetite nanoparticle arrays. <i>Physical Review B</i> , 2006 , 73,	3.3	132
121	One-pot synthesis of monodisperse iron oxide nanoparticles for potential biomedical applications. <i>Pure and Applied Chemistry</i> , 2006 , 78, 1003-1014	2.1	131
120	Co/CoO Nanoparticles Assembled on Graphene for Electrochemical Reduction of Oxygen. <i>Angewandte Chemie</i> , 2012 , 124, 11940-11943	3.6	126
119	Crystal Structural Effect of AuCu Alloy Nanoparticles on Catalytic CO Oxidation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8846-8854	16.4	125

118	Controlled Anisotropic Growth of Co-Fe-P from Co-Fe-O Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 9642-5	16.4	119
117	Monodisperse nickel nanoparticles supported on SiO ₂ as an effective catalyst for the hydrolysis of ammonia-borane. <i>Nano Research</i> , 2010 , 3, 676-684	10	118
116	CuNi Nanoparticles Assembled on Graphene for Catalytic Methanolysis of Ammonia Borane and Hydrogenation of Nitro/Nitrile Compounds. <i>Chemistry of Materials</i> , 2017 , 29, 1413-1418	9.6	115
115	Surface- and Structure-Dependent Catalytic Activity of Au Nanoparticles for Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2010 , 22, 755-761	9.6	115
114	Pd Nanoparticles Coupled to WO Nanorods for Enhanced Electrochemical Oxidation of Formic Acid. <i>Nano Letters</i> , 2017 , 17, 2727-2731	11.5	113
113	Sea urchin-like cobalt-iron phosphide as an active catalyst for oxygen evolution reaction. <i>Nanoscale</i> , 2016 , 8, 3244-7	7.7	113
112	Monodisperse CeO ₂ Nanoparticles and Their Oxygen Storage and Release Properties. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1740-1745	3.8	106
111	Building nanocomposite magnets by coating a hard magnetic core with a soft magnetic shell. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2176-80	16.4	105
110	Optimierte Nanopartikel-Katalyse für die Sauerstoffreduktionsreaktion. <i>Angewandte Chemie</i> , 2013 , 125, 8686-8705	3.6	105
109	Synthesis and Characterization of Monodisperse Hollow Fe ₃ O ₄ Nanoparticles. <i>Angewandte Chemie</i> , 2007 , 119, 4233-4236	3.6	105
108	Monolayer assembly of ferrimagnetic Co(x)Fe(3-x)O ₄ nanocubes for magnetic recording. <i>Nano Letters</i> , 2014 , 14, 3395-9	11.5	101
107	Synthesis and assembly of Pd nanoparticles on graphene for enhanced electrooxidation of formic acid. <i>Nanoscale</i> , 2013 , 5, 160-3	7.7	94
106	Intermetallic Nanoparticles: Synthetic Control and Their Enhanced Electrocatalysis. <i>Accounts of Chemical Research</i> , 2019 , 52, 2015-2025	24.3	91
105	From Core/Shell Structured FePt/Fe ₃ O ₄ /MgO to Ferromagnetic FePt Nanoparticles. <i>Chemistry of Materials</i> , 2008 , 20, 7242-7245	9.6	91
104	Stabilizing CuPd Nanoparticles via CuPd Coupling to WO Nanorods in Electrochemical Oxidation of Formic Acid. <i>Journal of the American Chemical Society</i> , 2017 , 139, 15191-15196	16.4	90
103	Synthesis of Pt ₃ Sn Alloy Nanoparticles and Their Catalysis for Electro-Oxidation of CO and Methanol. <i>ACS Catalysis</i> , 2011 , 1, 1719-1723	13.1	87
102	Surfactant-induced postsynthetic modulation of Pd nanoparticle crystallinity. <i>Nano Letters</i> , 2011 , 11, 1614-7	11.5	87
101	Synthesis of high magnetic moment CoFe nanoparticles via interfacial diffusion in core/shell structured Co/Fe nanoparticles. <i>Nano Research</i> , 2009 , 2, 380-385	10	86

100	Superparamagnetic nanoparticles as targeted probes for diagnostic and therapeutic applications. <i>Dalton Transactions</i> , 2009 , 5583-91	4.3	86
99	High-Temperature Solution-Phase Syntheses of Metal-Oxide Nanocrystals. <i>Chemistry of Materials</i> , 2013 , 25, 1293-1304	9.6	85
98	Methanolysis of Ammonia Borane by CoPd Nanoparticles. <i>ACS Catalysis</i> , 2012 , 2, 1290-1295	13.1	83
97	One-pot synthesis of urchin-like FePd-Fe ₃ O ₄ and their conversion into exchange-coupled L1(0)-FePd-Fe nanocomposite magnets. <i>Nano Letters</i> , 2013 , 13, 4975-9	11.5	82
96	A facile route to monodisperse MPd (M = Co or Cu) alloy nanoparticles and their catalysis for electrooxidation of formic acid. <i>Nanoscale</i> , 2014 , 6, 6970-3	7.7	80
95	SmCo ₅ Fe nanocomposites synthesized from reductive annealing of oxide nanoparticles. <i>Applied Physics Letters</i> , 2007 , 91, 153117	3.4	80
94	CuN Nanocubes for Selective Electrochemical Reduction of CO to Ethylene. <i>Nano Letters</i> , 2019 , 19, 8658-8663	11.6	76
93	Controlled growth of LaFeO ₃ nanoparticles on reduced graphene oxide for highly efficient photocatalysis. <i>Nanoscale</i> , 2016 , 8, 752-6	7.7	70
92	AuFe ₃ O ₄ Dumbbell Nanoparticles as Dual-Functional Probes. <i>Angewandte Chemie</i> , 2008 , 120, 179-182	3.6	67
91	FePd alloy nanoparticles assembled on reduced graphene oxide as a catalyst for selective transfer hydrogenation of nitroarenes to anilines using ammonia borane as a hydrogen source. <i>Catalysis Science and Technology</i> , 2016 , 6, 6137-6143	5.5	66
90	Enhancement of radiation effect on cancer cells by gold-pHLIP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 5372-6	11.5	62
89	A guideline for atomistic design and understanding of ultrahard nanomagnets. <i>Nature Communications</i> , 2011 , 2, 528	17.4	60
88	FePt and CoPt Nanowires as Efficient Catalysts for the Oxygen Reduction Reaction. <i>Angewandte Chemie</i> , 2013 , 125, 3549-3552	3.6	59
87	Electrochemical Reduction of CO ₂ Catalyzed by Metal Nanocatalysts. <i>Trends in Chemistry</i> , 2019 , 1, 739-750	10.8	58
86	AgPd Nanoparticles Deposited on WO Nanorods as an Efficient Catalyst for One-Pot Conversion of Nitrophenol/Nitroacetophenone into Benzoxazole/Quinazoline. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5712-5715	16.4	55
85	Chemical synthesis of hard magnetic SmCo nanoparticles. <i>Journal of Materials Chemistry</i> , 2011 , 21, 16873		55
84	Surface Profile Control of FeNiPt/Pt Core/Shell Nanowires for Oxygen Reduction Reaction. <i>Small</i> , 2015 , 11, 3545-9	11	54
83	Recent advances in the organic solution phase synthesis of metal nanoparticles and their electrocatalysis for energy conversion reactions. <i>Nano Energy</i> , 2016 , 29, 178-197	17.1	52

82	Bipyridine-Assisted Assembly of Au Nanoparticles on Cu Nanowires To Enhance the Electrochemical Reduction of CO. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14100-14103	16.4	52
81	Room-Temperature Chemoselective Reduction of 3-Nitrostyrene to 3-Vinylaniline by Ammonia Borane over Cu Nanoparticles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 16460-16463	16.4	51
80	Detection of DNA labeled with magnetic nanoparticles using MgO-based magnetic tunnel junction sensors. <i>Journal of Applied Physics</i> , 2008 , 103, 07A306	2.5	49
79	Strain Effect in Palladium Nanostructures as Nanozymes. <i>Nano Letters</i> , 2020 , 20, 272-277	11.5	46
78	Ternary CoPtAu Nanoparticles as a General Catalyst for Highly Efficient Electro-oxidation of Liquid Fuels. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 11527-11533	16.4	44
77	Pt-based composite nanoparticles for magnetic, catalytic, and biomedical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 12579		44
76	Monodisperse magnetite nanoparticles coupled with nuclear localization signal peptide for cell-nucleus targeting. <i>Chemistry - an Asian Journal</i> , 2008 , 3, 548-552	4.5	44
75	Conjugating Methotrexate to magnetite (Fe(3)O(4)) nanoparticles via trichloro-s-triazine. <i>Journal of Materials Chemistry</i> , 2009 , 19, 6400-6406		42
74	Model Compounds for the Homogeneous Hydrodesulfurization of Benzothiophene: Insertion of Manganese into the S?C(aryl) Bond. <i>Angewandte Chemie International Edition in English</i> , 1996 , 35, 212-214		42
73	Magnetic Fe3O4 nanoparticles coupled with a fluorescent Eu complex for dual imaging applications. <i>Chemical Communications</i> , 2012 , 48, 2952-4	5.8	40
72	Stabilizing Fe Nanoparticles in the SmCo Matrix. <i>Nano Letters</i> , 2017 , 17, 5695-5698	11.5	39
71	From FePtBe3O4 to L10-FePtBe nanocomposite magnets with a gradient interface. <i>Journal of Materials Chemistry C</i> , 2015 , 3, 7075-7080	7.1	39
70	Maximizing the Catalytic Activity of Nanoparticles through Monolayer Assembly on Nitrogen-Doped Graphene. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 451-455	16.4	38
69	Halide ion-mediated growth of single crystalline Fe nanoparticles. <i>Nanoscale</i> , 2014 , 6, 4852-6	7.7	37
68	A General Strategy for Synthesizing FePt Nanowires and Nanorods. <i>Angewandte Chemie</i> , 2007 , 119, 6449-6451	3.6	37
67	Nickel-Platinum Nanoparticles as Peroxidase Mimics with a Record High Catalytic Efficiency. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2660-2664	16.4	37
66	Misfit dislocations in multimetallic core-shelled nanoparticles. <i>Applied Physics Letters</i> , 2012 , 100, 111603	3.4	36
65	Penetration of endothelial cell coated multicellular tumor spheroids by iron oxide nanoparticles. <i>Theranostics</i> , 2012 , 2, 66-75	12.1	36

64	Core/Shell Au/MnO Nanoparticles Prepared Through Controlled Oxidation of AuMn as an Electrocatalyst for Sensitive H ₂ O ₂ Detection. <i>Angewandte Chemie</i> , 2014 , 126, 12716-12720	3.6	35
63	Controlled Synthesis of Monodisperse CeO ₂ Nanoplates Developed from Assembled Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 2761-2765	3.8	35
62	Role of Elastic Strain on Electrocatalysis of Oxygen Reduction Reaction on Pt. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 19042-19052	3.8	34
61	Controlled synthesis of Au-Fe heterodimer nanoparticles and their conversion into Au-FeO heterostructured nanoparticles. <i>Nanoscale</i> , 2016 , 8, 17947-17952	7.7	33
60	Anisotropic Strain Tuning of L1 Ternary Nanoparticles for Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2020 , 142, 19209-19216	16.4	32
59	Enhancing electrochemical detection of dopamine via dumbbell-like FePt-FeO nanoparticles. <i>Nanoscale</i> , 2017 , 9, 1022-1027	7.7	31
58	A Flame-Reaction Method for the Large-Scale Synthesis of High-Performance Sm Co Nanomagnets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 14509-14512	16.4	31
57	Monodisperse nanoparticles for catalysis and nanomedicine. <i>Nanoscale</i> , 2019 , 11, 18946-18967	7.7	31
56	Chemical Synthesis of Magnetically Hard and Strong Rare Earth Metal Based Nanomagnets. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 602-606	16.4	31
55	Monodisperse AgPd Alloy Nanoparticles and Their Superior Catalysis for the Dehydrogenation of Formic Acid. <i>Angewandte Chemie</i> , 2013 , 125, 3769-3772	3.6	30
54	Surface Modification and Assembly of Transparent Indium Tin Oxide Nanocrystals for Enhanced Conductivity. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 12017-12021	3.8	29
53	Controlling core/shell Au/FePt nanoparticle electrocatalysis via changing the core size and shell thickness. <i>Nanoscale</i> , 2016 , 8, 2626-31	7.7	28
52	A new strategy to synthesize anisotropic SmCo nanomagnets. <i>Nanoscale</i> , 2018 , 10, 8735-8740	7.7	26
51	Reductive amination of ethyl levulinate to pyrrolidones over AuPd nanoparticles at ambient hydrogen pressure. <i>Green Chemistry</i> , 2019 , 21, 1895-1899	10	24
50	Efficient Hydrogen Generation from Ammonia Borane and Tandem Hydrogenation or Hydrodehalogenation over AuPd Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2814-2821	8.3	24
49	One-Pot Synthesis of Pt Nanocubes and Nanopods via Burst Nucleation and Controlled Secondary Growth. <i>Chemistry of Materials</i> , 2011 , 23, 132-136	9.6	24
48	Recent Advances in the High-Temperature Chemical Synthesis of Magnetic Nanoparticles. <i>Advanced Functional Materials</i> , 2016 , 26, 3809-3817	15.6	23
47	PdAu Alloy Nanoparticles for Ethanol Oxidation in Alkaline Conditions: Enhanced Activity and C1 Pathway Selectivity. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8701-8706	6.1	22

46	Stabilizing Hard Magnetic SmCo Nanoparticles by N-Doped Graphitic Carbon Layer. <i>Journal of the American Chemical Society</i> , 2020 , 142, 8440-8446	16.4	22
45	Cu nanowire-catalyzed electrochemical reduction of CO or CO. <i>Nanoscale</i> , 2019 , 11, 12075-12079	7.7	21
44	Atomic scale deposition of Pt around Au nanoparticles to achieve much enhanced electrocatalysis of Pt. <i>Nanoscale</i> , 2017 , 9, 7745-7749	7.7	20
43	Controlled Anisotropic Growth of Co-Fe-P from Co-Fe-O Nanoparticles. <i>Angewandte Chemie</i> , 2015 , 127, 9778-9781	3.6	20
42	Tuning Electron-Conduction and Spin Transport in Magnetic Iron Oxide Nanoparticle Assemblies via Tetrathiafulvalene-Fused Ligands. <i>ACS Nano</i> , 2015 , 9, 12205-13	16.7	19
41	Synthesis and Characterization of Multimetallic Pd/Au and Pd/Au/FePt Core/Shell Nanoparticles. <i>Angewandte Chemie</i> , 2010 , 122, 9558-9562	3.6	19
40	Porous yolk-shell Fe/FeO nanoparticles with controlled exposure of highly active Fe(0) for cancer therapy. <i>Biomaterials</i> , 2021 , 268, 120530	15.6	19
39	Static and Dynamic Magnetic Properties of Composite Au-Fe ₃ O ₄ Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2007 , 43, 3094-3096	2	18
38	Spin valve biosensors: Signal dependence on nanoparticle position. <i>Journal of Applied Physics</i> , 2006 , 99, 08P107	2.5	18
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36	A New Hexagonal Cobalt Nanosheet Catalyst for Selective CO Conversion to Ethanal. <i>Journal of the American Chemical Society</i> , 2021 , 143, 15335-15343	16.4	15
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