

Chuan-Jian Zhong

List of Publications by Year in descending order

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253
papers

18,138
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9254

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all docs

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258
times ranked

17683
citing authors

#	ARTICLE	IF	CITATIONS
1	Alkanethiolate Gold Cluster Molecules with Core Diameters from 1.5 to 5.2 nm: Core and Monolayer Properties as a Function of Core Size. <i>Langmuir</i> , 1998, 14, 17-30.	1.6	1,750
2	Monodispersed Core-Shell Fe ₃ O ₄ @Au Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 21593-21601.	1.2	545
3	Hydrogen production from water electrolysis: role of catalysts. <i>Nano Convergence</i> , 2021, 8, 4.	6.3	540
4	Size Correlation of Optical and Spectroscopic Properties for Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2007, 111, 14664-14669.	1.5	533
5	Synthesis of Size-Controlled and Shaped Copper Nanoparticles. <i>Langmuir</i> , 2007, 23, 5740-5745.	1.6	455
6	Fabrication of Magnetic Core-Shell Fe Oxide@Au Nanoparticles for Interfacial Bioactivity and Bio-separation. <i>Langmuir</i> , 2007, 23, 9050-9056.	1.6	321
7	Heating-Induced Evolution of Thiolate-Encapsulated Gold Nanoparticles: A Strategy for Size and Shape Manipulations. <i>Langmuir</i> , 2000, 16, 490-497.	1.6	320
8	Recent Advances in Electrocatalysts for Proton Exchange Membrane Fuel Cells and Alkaline Membrane Fuel Cells. <i>Advanced Materials</i> , 2021, 33, e2006292.	11.1	300
9	Characterization of Carbon-Supported AuPt Nanoparticles for Electrocatalytic Methanol Oxidation Reaction. <i>Langmuir</i> , 2006, 22, 2892-2898.	1.6	266
10	Stable, Monolayer-Protected Metal Alloy Clusters. <i>Journal of the American Chemical Society</i> , 1998, 120, 9396-9397.	6.6	253
11	Phase Properties of Carbon-Supported Gold-Platinum Nanoparticles with Different Bimetallic Compositions. <i>Chemistry of Materials</i> , 2005, 17, 3086-3091.	3.2	239
12	Core/Shell Nanoparticles as Electrocatalysts for Fuel Cell Reactions. <i>Advanced Materials</i> , 2008, 20, 4342-4347.	11.1	231
13	Synergistic activity of gold-platinum alloy nanoparticle catalysts. <i>Catalysis Today</i> , 2007, 122, 378-385.	2.2	221
14	Iron oxide-gold core-shell nanoparticles and thin film assembly. <i>Journal of Materials Chemistry</i> , 2005, 15, 1821.	6.7	211
15	Nanoscale Alloying, Phase-Segregation, and Core-Shell Evolution of Gold-Platinum Nanoparticles and Their Electrocatalytic Effect on Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2010, 22, 4282-4294.	3.2	205
16	Core-shell nanomaterials: gold-coated magnetic oxide nanoparticles. <i>Journal of Materials Chemistry</i> , 2008, 18, 2629.	6.7	187
17	Colorimetric detection of thiol-containing amino acids using gold nanoparticles. <i>Analyst</i> , 2002, 127, 462-465.	1.7	181
18	Evidence for Carbon-Sulfur Bond Cleavage in Spontaneously Adsorbed Organosulfide-Based Monolayers at Gold. <i>Journal of the American Chemical Society</i> , 1994, 116, 11616-11617.	6.6	174

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19	Nanostructured catalysts in fuel cells. <i>Nanotechnology</i> , 2010, 21, 062001.	1.3	173
20	Nanoengineered PtCo and PtNi Catalysts for Oxygen Reduction Reaction: An Assessment of the Structural and Electrocatalytic Properties. <i>Journal of Physical Chemistry C</i> , 2011, 115, 1682-1694.	1.5	173
21	Core-Shell Gold Nanoparticle Assembly as Novel Electrocatalyst of CO Oxidation. <i>Langmuir</i> , 2000, 16, 7520-7523.	1.6	170
22	Gold-platinum alloy nanoparticle assembly as catalyst for methanol electrooxidation. <i>Chemical Communications</i> , 2001, , 473-474.	2.2	167
23	Mediator-Template Assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2005, 127, 1519-1529.	6.6	165
24	Core-Shell Nanostructured Nanoparticle Films as Chemically Sensitive Interfaces. <i>Analytical Chemistry</i> , 2001, 73, 4441-4449.	3.2	163
25	Organosulfur Monolayers at Gold Surfaces: A Reexamination of the Case for Sulfide Adsorption and Implications to the Formation of Monolayers from Thiols and Disulfides. <i>Langmuir</i> , 1999, 15, 518-525.	1.6	161
26	Fine structure in the voltammetric desorption curves of alkanethiolate monolayers chemisorbed at gold. <i>Journal of Electroanalytical Chemistry</i> , 1997, 425, 147-153.	1.9	160
27	A Direct Route toward Assembly of Nanoparticle-Carbon Nanotube Composite Materials. <i>Langmuir</i> , 2004, 20, 6019-6025.	1.6	158
28	Structures and Properties of Nanoparticle Thin Films Formed via a One-Step Exchange-Cross-Linking-Precipitation Route. <i>Analytical Chemistry</i> , 1999, 71, 5076-5083.	3.2	155
29	Molecularly Mediated Processing and Assembly of Nanoparticles: Exploring the Interparticle Interactions and Structures. <i>Accounts of Chemical Research</i> , 2009, 42, 798-808.	7.6	154
30	Voltammetric reductive desorption characteristics of alkanethiolate monolayers at single crystal Au(111) and (110) electrode surfaces. <i>Journal of Electroanalytical Chemistry</i> , 1997, 421, 9-13.	1.9	146
31	Interparticle Interactions in Glutathione Mediated Assembly of Gold Nanoparticles. <i>Langmuir</i> , 2008, 24, 8857-8863.	1.6	146
32	Fuel cell technology: nano-engineered multimetallic catalysts. <i>Energy and Environmental Science</i> , 2008, 1, 454.	15.6	144
33	Structural origin of high catalytic activity for preferential CO oxidation over CuO/CeO ₂ nanocatalysts with different shapes. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 665-676.	10.8	144
34	Array of Molecularly Mediated Thin Film Assemblies of Nanoparticles: A Correlation of Vapor Sensing with Interparticle Spatial Properties. <i>Journal of the American Chemical Society</i> , 2007, 129, 2161-2170.	6.6	141
35	Enhanced radical scavenging activity by antioxidant-functionalized gold nanoparticles: A novel inspiration for development of new artificial antioxidants. <i>Free Radical Biology and Medicine</i> , 2007, 43, 1243-1254.	1.3	141
36	Homocysteine-Mediated Reactivity and Assembly of Gold Nanoparticles. <i>Langmuir</i> , 2007, 23, 826-833.	1.6	137

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37	Alloying—realloying enabled high durability for Pt—Pd-3d-transition metal nanoparticle fuel cell catalysts. <i>Nature Communications</i> , 2021, 12, 859.	5.8	137
38	Electrocatalytic oxidation of methanol: carbon-supported gold—platinum nanoparticle catalysts prepared by two-phase protocol. <i>Catalysis Today</i> , 2005, 99, 291-297.	2.2	135
39	Novel Spherical Assembly of Gold Nanoparticles Mediated by a Tetradentate Thioether. <i>Journal of the American Chemical Society</i> , 2002, 124, 4958-4959.	6.6	129
40	Composition Tunability and (111)-Dominant Facets of Ultrathin Platinum—Gold Alloy Nanowires toward Enhanced Electrocatalysis. <i>Journal of the American Chemical Society</i> , 2016, 138, 12166-12175.	6.6	127
41	Surface Partial-Charge-Tuned Enhancement of Catalytic Activity of Platinum Nanocatalysts for Toluene Oxidation. <i>ACS Catalysis</i> , 2019, 9, 7431-7442.	5.5	127
42	Composition-Controlled Synthesis of Bimetallic Gold—Silver Nanoparticles. <i>Langmuir</i> , 2004, 20, 11240-11246.	1.6	125
43	Gold-platinum nanoparticles: alloying and phase segregation. <i>Journal of Materials Chemistry</i> , 2011, 21, 4012-4020.	6.7	125
44	Adsorption of Cyanine Dyes on Gold Nanoparticles and Formation of J-Aggregates in the Nanoparticle Assembly. <i>Journal of Physical Chemistry B</i> , 2006, 110, 6673-6682.	1.2	124
45	Imparting Biomimetic Ion-Gating Recognition Properties to Electrodes with a Hydrogen-Bonding Structured Core—Shell Nanoparticle Network. <i>Analytical Chemistry</i> , 2000, 72, 2190-2199.	3.2	114
46	Nanocontainer-Enhanced Self-Healing for Corrosion-Resistant Ni Coating on Mg Alloy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36247-36260.	4.0	109
47	Composition-Tunable PtCu Alloy Nanowires and Electrocatalytic Synergy for Methanol Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2016, 120, 10476-10484.	1.5	106
48	Gold and alloy nanoparticles in solution and thin film assembly: spectrophotometric determination of molar absorptivity. <i>Analytica Chimica Acta</i> , 2003, 496, 17-27.	2.6	105
49	Atomic-Structural Synergy for Catalytic CO Oxidation over Palladium—Nickel Nanoalloys. <i>Journal of the American Chemical Society</i> , 2014, 136, 7140-7151.	6.6	104
50	Origin of High Activity and Durability of Twisty Nanowire Alloy Catalysts under Oxygen Reduction and Fuel Cell Operating Conditions. <i>Journal of the American Chemical Society</i> , 2020, 142, 1287-1299.	6.6	102
51	Highly Active and Stable Pt—Pd Alloy Catalysts Synthesized by Room—Temperature Electron Reduction for Oxygen Reduction Reaction. <i>Advanced Science</i> , 2017, 4, 1600486.	5.6	101
52	Ruthenium—nickel—nickel hydroxide nanoparticles for room temperature catalytic hydrogenation. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7869-7875.	5.2	100
53	Bacterial Inactivation Using Silver-Coated Magnetic Nanoparticles as Functional Antimicrobial Agents. <i>Analytical Chemistry</i> , 2011, 83, 8688-8695.	3.2	97
54	Correlation between Atomic Coordination Structure and Enhanced Electrocatalytic Activity for Trimetallic Alloy Catalysts. <i>Journal of the American Chemical Society</i> , 2011, 133, 12714-12727.	6.6	96

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55	Pt–Au Alloying at the Nanoscale. <i>Nano Letters</i> , 2012, 12, 4289-4299.	4.5	96
56	Manipulating core–shell reactivities for processing nanoparticle sizes and shapes. <i>Journal of Materials Chemistry</i> , 2000, 10, 1895-1901.	6.7	95
57	Ternary alloy nanoparticles with controllable sizes and composition and electrocatalytic activity. <i>Journal of Materials Chemistry</i> , 2006, 16, 1665.	6.7	95
58	Thermal Treatment of PtNiCo Electrocatalysts: Effects of Nanoscale Strain and Structure on the Activity and Stability for the Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2010, 114, 17580-17590.	1.5	95
59	X-ray Photoelectron Spectroscopic Study of the Activation of Molecularly-Linked Gold Nanoparticle Catalysts. <i>Langmuir</i> , 2003, 19, 125-131.	1.6	93
60	Surface Enhanced Raman Scattering Detection of Cancer Biomarkers with Bifunctional Nanocomposite Probes. <i>Analytical Chemistry</i> , 2015, 87, 10698-10702.	3.2	90
61	Preparation and characterization of carbon-supported PtVFe electrocatalysts. <i>Electrochimica Acta</i> , 2006, 51, 4821-4827.	2.6	89
62	Role of Support–Nanoalloy Interactions in the Atomic-Scale Structural and Chemical Ordering for Tuning Catalytic Sites. <i>Journal of the American Chemical Society</i> , 2012, 134, 15048-15060.	6.6	89
63	Catalytic and Electrocatalytic Oxidation of Ethanol over Palladium-Based Nanoalloy Catalysts. <i>Langmuir</i> , 2013, 29, 9249-9258.	1.6	87
64	Size-Controlled Assembly of Gold Nanoparticles Induced by a Tridentate Thioether Ligand. <i>Journal of the American Chemical Society</i> , 2003, 125, 9906-9907.	6.6	85
65	Nanoparticle-structured sensing array materials and pattern recognition for VOC detection. <i>Sensors and Actuators B: Chemical</i> , 2005, 106, 431-441.	4.0	85
66	Gold–Copper Nanoparticles: Nanostructural Evolution and Bifunctional Catalytic Sites. <i>Chemistry of Materials</i> , 2012, 24, 4662-4674.	3.2	85
67	Thermal Activation of Molecularly-Wired Gold Nanoparticles on a Substrate as Catalyst. <i>Journal of the American Chemical Society</i> , 2002, 124, 13988-13989.	6.6	82
68	Designing Interfaces at the Molecular Level. <i>Analytical Chemistry</i> , 1995, 67, 709A-715A.	3.2	80
69	Enhanced Oxygen Reduction Activity of Platinum Monolayer on Gold Nanoparticles. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 67-72.	2.1	80
70	Ultrafine Nanoparticle-Supported Ru Nanoclusters with Ultrahigh Catalytic Activity. <i>Small</i> , 2015, 11, 4385-4393.	5.2	80
71	Dynamic Core–Shell and Alloy Structures of Multimetallic Nanomaterials and Their Catalytic Synergies. <i>Accounts of Chemical Research</i> , 2020, 53, 2913-2924.	7.6	79
72	MicroRNA Conjugated Gold Nanoparticles and Cell Transfection. <i>Analytical Chemistry</i> , 2012, 84, 26-29.	3.2	78

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73	Gold and magnetic oxide/gold core/shell nanoparticles as bio-functional nanoprobos. <i>Nanotechnology</i> , 2008, 19, 305102.	1.3	77
74	From Ultrafine Thiolate-Capped Copper Nanoclusters toward Copper Sulfide Nanodiscs: A Thermally Activated Evolution Route. <i>Chemistry of Materials</i> , 2010, 22, 261-271.	3.2	77
75	Synthesis and Characterization of Monolayer-Capped PtVFe Nanoparticles with Controllable Sizes and Composition. <i>Chemistry of Materials</i> , 2005, 17, 5282-5290.	3.2	76
76	Nanocrystal and surface alloy properties of bimetallic Gold-Platinum nanoparticles. <i>Nanoscale Research Letters</i> , 2007, 2, 12-16.	3.1	76
77	Development of a thiophene derivative modified LDH coating for Mg alloy corrosion protection. <i>Electrochimica Acta</i> , 2020, 330, 135186.	2.6	76
78	PdCu Nanoalloy Electrocatalysts in Oxygen Reduction Reaction: Role of Composition and Phase State in Catalytic Synergy. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 25906-25913.	4.0	75
79	Electrocatalytic reduction of oxygen: Gold and gold-platinum nanoparticle catalysts prepared by two-phase protocol. <i>Gold Bulletin</i> , 2004, 37, 217-223.	3.2	73
80	Thin Film Assemblies of Molecularly-Linked Metal Nanoparticles and Multifunctional Properties. <i>Langmuir</i> , 2010, 26, 618-632.	1.6	73
81	Gold-platinum alloy nanowires as highly sensitive materials for electrochemical detection of hydrogen peroxide. <i>Analytica Chimica Acta</i> , 2012, 757, 56-62.	2.6	72
82	Synthesis, processing, assembly and activation of core-shell structured gold nanoparticle catalysts. <i>Gold Bulletin</i> , 2003, 36, 75-82.	3.2	70
83	Molecularly Mediated Thin Film Assembly of Nanoparticles on Flexible Devices: Electrical Conductivity versus Device Strains in Different Gas/Vapor Environment. <i>ACS Nano</i> , 2011, 5, 6516-6526.	7.3	70
84	Strain-Modulated Platinum-Palladium Nanowires for Oxygen Reduction Reaction. <i>Nano Letters</i> , 2020, 20, 2416-2422.	4.5	70
85	Correlation between nanostructural parameters and conductivity properties for molecularly-mediated thin film assemblies of gold nanoparticles. <i>Journal of Materials Chemistry</i> , 2007, 17, 457-462.	6.7	69
86	Aggregative Growth in the Size-Controlled Growth of Monodispersed Gold Nanoparticles. <i>Langmuir</i> , 2010, 26, 13622-13629.	1.6	67
87	Flexible chemiresistor sensors: thin film assemblies of nanoparticles on a polyethylene terephthalate substrate. <i>Journal of Materials Chemistry</i> , 2010, 20, 907-915.	6.7	64
88	Role of Metal Coordination Structures in Enhancement of Electrocatalytic Activity of Ternary Nanoalloys for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2012, 2, 795-806.	5.5	62
89	Highly active and stable Pt (111) catalysts synthesized by peptide assisted room temperature electron reduction for oxygen reduction reaction. <i>Nano Energy</i> , 2016, 25, 26-33.	8.2	62
90	Nanoalloy catalysts: structural and catalytic properties. <i>Catalysis Science and Technology</i> , 2014, 4, 3570-3588.	2.1	57

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91	Understanding Composition-Dependent Synergy of PtPd Alloy Nanoparticles in Electrocatalytic Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14128-14136.	1.5	56
92	Platinum-Catalyzed Synthesis of Water-Soluble Gold-Platinum Nanoparticles. <i>Langmuir</i> , 2005, 21, 1623-1628.	1.6	54
93	Structural and Electrocatalytic Properties of PtIrCo/C Catalysts for Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2011, 1, 562-572.	5.5	54
94	Formation of thiol-based monolayers on gold: implications from open circuit potential measurements. <i>Electrochemistry Communications</i> , 1999, 1, 17-21.	2.3	53
95	Molecularly Tuned Size Selectivity in Thermal Processing of Gold Nanoparticles. <i>Chemistry of Materials</i> , 2006, 18, 5147-5149.	3.2	53
96	Catalytic activity of bimetallic catalysts highly sensitive to the atomic composition and phase structure at the nanoscale. <i>Nanoscale</i> , 2015, 7, 18936-18948.	2.8	53
97	Enhancing structure integrity and corrosion resistance of Mg alloy by a two-step deposition to avoid F ions etching to nano-SiO ₂ reinforcement. <i>Journal of Alloys and Compounds</i> , 2017, 705, 70-78.	2.8	53
98	Carbon-supported PtAu alloy nanoparticle catalysts for enhanced electrocatalytic oxidation of formic acid. <i>Journal of Power Sources</i> , 2011, 196, 8323-8330.	4.0	52
99	Decoration of Co ₃ O ₄ nanoparticles with Ru nanoclusters: a new strategy for design of highly active hydrogenation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 11716-11719.	5.2	52
100	Construction of ultrafine and stable PtFe nano-alloy with ultra-low Pt loading for complete removal of CO in PROX at room temperature. <i>Applied Catalysis B: Environmental</i> , 2016, 180, 237-245.	10.8	51
101	Revealing the Role of Phase Structures of Bimetallic Nanocatalysts in the Oxygen Reduction Reaction. <i>ACS Catalysis</i> , 2018, 8, 11302-11313.	5.5	51
102	Comparative mouse lung injury by nickel nanoparticles with differential surface modification. <i>Journal of Nanobiotechnology</i> , 2019, 17, 2.	4.2	50
103	Design of Ternary Nanoalloy Catalysts: Effect of Nanoscale Alloying and Structural Perfection on Electrocatalytic Enhancement. <i>Chemistry of Materials</i> , 2012, 24, 4283-4293.	3.2	47
104	An EQCN assessment of electrocatalytic oxidation of methanol at nanostructured Au-Pt alloy nanoparticles. <i>Electrochemistry Communications</i> , 2001, 3, 172-176.	2.3	46
105	Characterization of magnetic NiFe nanoparticles with controlled bimetallic composition. <i>Journal of Alloys and Compounds</i> , 2014, 587, 260-266.	2.8	46
106	Core-Shell-Structured Magnetic Ternary Nanocubes. <i>Journal of the American Chemical Society</i> , 2010, 132, 17686-17689.	6.6	45
107	Atomic Ordering Enhanced Electrocatalytic Activity of Nanoalloys for Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 20715-20721.	1.5	45
108	Platinum-nickel nanowire catalysts with composition-tunable alloying and faceting for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 12557-12568.	5.2	45

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109	Preparation and Characterization of Gold Nanoparticles Dispersed in Poly(2-hydroxyethyl) Tj ETQq1 1 0.784314 rgBT/Overlock 10 Tf 50	1.6	44
110	X-Shaped Rigid Arylethynes to Mediate the Assembly of Nanoparticles. <i>Journal of the American Chemical Society</i> , 2007, 129, 5368-5369.	6.6	42
111	A self-healing coating based on facile pH-responsive nanocontainers for corrosion protection of magnesium alloy. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 836-849.	5.5	42
112	Composition-Structure-Activity Relationships for Palladium-Alloyed Nanocatalysts in Oxygen Reduction Reaction: An Ex-Situ/In-Situ High Energy X-ray Diffraction Study. <i>ACS Catalysis</i> , 2015, 5, 5317-5327.	5.5	41
113	Nanostructured PtVFe catalysts: Electrocatalytic performance in proton exchange membrane fuel cells. <i>Electrochemistry Communications</i> , 2009, 11, 1139-1141.	2.3	40
114	Nanoscale alloying effect of gold-platinum nanoparticles as cathode catalysts on the performance of a rechargeable lithium-oxygen battery. <i>Nanotechnology</i> , 2012, 23, 305404.	1.3	40
115	Nanoalloy Printed and Pulse-Laser Sintered Flexible Sensor Devices with Enhanced Stability and Materials Compatibility. <i>ACS Nano</i> , 2015, 9, 6168-6177.	7.3	40
116	Nano-Silicon composite materials with N-doped graphene of controllable and optimal pyridinic-to-pyrrolic structural ratios for lithium ion battery. <i>Electrochimica Acta</i> , 2019, 321, 134742.	2.6	39
117	Poisonous Species in Complete Ethanol Oxidation Reaction on Palladium Catalysts. <i>Journal of Physical Chemistry C</i> , 2019, 123, 20853-20868.	1.5	39
118	Quartz-crystal microbalance and spectrophotometric assessments of inter-core and inter-shell reactivities in nanoparticle thin film formation and growth. <i>Journal of Materials Chemistry</i> , 2001, 11, 1258-1264.	6.7	38
119	Assembly-Disassembly of DNAs and Gold Nanoparticles: A Strategy of Intervention Based on Oligonucleotides and Restriction Enzymes. <i>Analytical Chemistry</i> , 2008, 80, 6038-6044.	3.2	38
120	Pd decorated Fe/C nanocatalyst for formic acid electrooxidation. <i>Electrochimica Acta</i> , 2013, 111, 504-509.	2.6	38
121	Synthesis of Different Ruthenium Nickel Bimetallic Nanostructures and an Investigation of the Structure-Activity Relationship for Benzene Hydrogenation to Cyclohexane. <i>ChemCatChem</i> , 2014, 6, 2039-2046.	1.8	38
122	Nanoparticle-Structured Highly Sensitive and Anisotropic Gauge Sensors. <i>Small</i> , 2015, 11, 4509-4516.	5.2	38
123	Multifunctional Fullerene-Mediated Assembly of Gold Nanoparticles. <i>Chemistry of Materials</i> , 2005, 17, 6528-6531.	3.2	37
124	Composition- and Structure-Tunable Gold-Cobalt Nanoparticles and Electrocatalytic Synergy for Oxygen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 20082-20091.	4.0	36
125	Design of Functional Nanoparticles and Assemblies for Theranostic Applications. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 21752-21768.	4.0	35
126	Probing pH-Tuned Morphological Changes in Core-Shell Nanoparticle Assembly Using Atomic Force Microscopy. <i>Nano Letters</i> , 2001, 1, 575-579.	4.5	34

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127	Pt decorated PdAu/C nanocatalysts with ultralow Pt loading for formic acid electrooxidation. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 9959-9966.	3.8	34
128	Flexibility characteristics of a polyethylene terephthalate chemiresistor coated with a nanoparticle thin film assembly. <i>Journal of Materials Chemistry C</i> , 2014, 2, 1893.	2.7	34
129	Kinetic and Thermodynamic Assessments of the Mediator-Template Assembly of Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2005, 109, 2578-2583.	1.2	33
130	Electrocatalytic performance of Pt-based trimetallic alloy nanoparticle catalysts in proton exchange membrane fuel cells. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 4627-4632.	3.8	33
131	Detection of mixed volatile organic compounds and lung cancer breaths using chemiresistor arrays with crosslinked nanoparticle thin films. <i>Sensors and Actuators B: Chemical</i> , 2016, 232, 292-299.	4.0	33
132	Deviations from Vegard's law and evolution of the electrocatalytic activity and stability of Pt-based nanoalloys inside fuel cells by <i>in operando</i> X-ray spectroscopy and total scattering. <i>Nanoscale</i> , 2019, 11, 5512-5525.	2.8	33
133	Spectroscopic Characterizations of Molecularly Linked Gold Nanoparticle Assemblies upon Thermal Treatment. <i>Langmuir</i> , 2004, 20, 4254-4260.	1.6	32
134	Sensing Arrays Constructed from Nanoparticle Thin Films and Interdigitated Microelectrodes. <i>Sensors</i> , 2006, 6, 667-679.	2.1	32
135	Solving the nanostructure problem: exemplified on metallic alloy nanoparticles. <i>Nanoscale</i> , 2014, 6, 10048-10061.	2.8	32
136	Spontaneous reduction of O ₂ on PtVFe nanocatalysts. <i>Catalysis Today</i> , 2011, 165, 150-159.	2.2	31
137	Proton exchange membrane fuel cells with nanoengineered AuPt catalysts at the cathode. <i>Journal of Power Sources</i> , 2011, 196, 659-665.	4.0	31
138	Nanoalloy catalysts for electrochemical energy conversion and storage reactions. <i>RSC Advances</i> , 2014, 4, 42654-42669.	1.7	31
139	Preparation of PdCu Alloy Nanocatalysts for Nitrate Hydrogenation and Carbon Monoxide Oxidation. <i>Catalysts</i> , 2016, 6, 96.	1.6	31
140	Palladium modified gold nanoparticles as electrocatalysts for ethanol electrooxidation. <i>Journal of Power Sources</i> , 2016, 321, 264-269.	4.0	31
141	Atomic Scale Imaging: A Hands-On Scanning Probe Microscopy Laboratory for Undergraduates. <i>Journal of Chemical Education</i> , 2003, 80, 194.	1.1	30
142	Assembly of Gold Nanoparticles Mediated by Multifunctional Fullerenes. <i>Langmuir</i> , 2007, 23, 10715-10724.	1.6	30
143	Molecularly-mediated assembly of gold nanoparticles. <i>Gold Bulletin</i> , 2007, 40, 59-66.	3.2	30
144	Synthesis, Characterization and Potential Application of MnZn Ferrite and MnZn Ferrite@Au Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3005-3012.	0.9	29

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145	Nanoparticle-structured thin film sensor arrays for breath sensing. <i>Sensors and Actuators B: Chemical</i> , 2012, 161, 845-854.	4.0	28
146	Nanoparticle- α -Nanofibrous Membranes as Scaffolds for Flexible Sweat Sensors. <i>ACS Sensors</i> , 2016, 1, 1060-1069.	4.0	28
147	Strain sensors fabricated by surface assembly of nanoparticles. <i>Biosensors and Bioelectronics</i> , 2021, 186, 113268.	5.3	28
148	An infrared reflectance spectroscopic study of a pH-tunable network of nanoparticles linked by hydrogen bonding. <i>Analyst</i> , 2000, 125, 17-20.	1.7	27
149	Oxophilicity and Structural Integrity in Maneuvering Surface Oxygenated Species on Nanoalloys for CO Oxidation. <i>ACS Catalysis</i> , 2013, 3, 3075-3085.	5.5	27
150	Bifunctional nanoparticles for SERS monitoring and magnetic intervention of assembly and enzyme cutting of DNAs. <i>Journal of Materials Chemistry B</i> , 2013, 1, 4320.	2.9	27
151	Effect of glucose on poly- β -glutamic acid metabolism in <i>Bacillus licheniformis</i> . <i>Microbial Cell Factories</i> , 2017, 16, 22.	1.9	27
152	Formation of Gold Nanoparticles Catalyzed by Platinum Nanoparticles: α Assessment of the Catalytic Mechanism. <i>Journal of Physical Chemistry B</i> , 2006, 110, 22503-22509.	1.2	26
153	Nano-engineered PtVFe catalysts in proton exchange membrane fuel cells: Electrocatalytic performance. <i>Electrochimica Acta</i> , 2010, 55, 8230-8236.	2.6	26
154	A distinct atomic structure α catalytic activity relationship in 3α 10 nm supported Au particles. <i>Nanoscale</i> , 2014, 6, 532-538.	2.8	26
155	Structural dynamics and activity of nanocatalysts inside fuel cells by in operando atomic pair distribution studies. <i>Nanoscale</i> , 2016, 8, 10749-10767.	2.8	26
156	AFM Probing of Thermal Activation of Molecularly Linked Nanoparticle Assembly. <i>Journal of Physical Chemistry B</i> , 2004, 108, 9669-9677.	1.2	25
157	Pattern recognition for sensor array signals using Fuzzy ARTMAP. <i>Sensors and Actuators B: Chemical</i> , 2009, 141, 458-464.	4.0	25
158	Rigid, conjugated and shaped arylethyne as mediators for the assembly of gold nanoparticles. <i>Journal of Materials Chemistry</i> , 2011, 21, 1890-1901.	6.7	25
159	Nanoengineered PtVFe/C Cathode Electrocatalysts in PEM Fuel Cells: Catalyst Activity and Stability. <i>ChemCatChem</i> , 2011, 3, 583-593.	1.8	25
160	Resolving Atomic Ordering Differences in Group 11 Nanosized Metals and Binary Alloy Catalysts by Resonant High-Energy X-ray Diffraction and Computer Simulations. <i>Journal of Physical Chemistry C</i> , 2013, 117, 22131-22141.	1.5	25
161	Competitive C and H bond scission in the ethanol oxidation reaction on Cu(100) and the effect of an alkaline environment. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 15444-15453.	1.3	25
162	From a Au-rich core/PtNi-rich shell to a Ni-rich core/PtAu-rich shell: an effective thermochemical pathway to nanoengineering catalysts for fuel cells. <i>Journal of Materials Chemistry A</i> , 2018, 6, 5143-5155.	5.2	25

#	ARTICLE	IF	CITATIONS
163	Efficient low-temperature hydrogenation of acetone on bimetallic Pt-Ru/C catalyst. <i>Journal of Catalysis</i> , 2018, 363, 52-62.	3.1	25
164	Surface oxygenation of multicomponent nanoparticles toward active and stable oxidation catalysts. <i>Nature Communications</i> , 2020, 11, 4201.	5.8	25
165	Synthesis of Ultralong, Monodispersed, and Surfactant-Free Gold Nanowire Catalysts: Growth Mechanism and Electrocatalytic Properties for Methanol Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 3108-3116.	1.5	24
166	A multi-module artificial neural network approach to pattern recognition with optimized nanostructured sensor array. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 65-73.	4.0	23
167	Probing interfacial interactions of bacteria on metal nanoparticles and substrates with different surface properties. <i>International Journal of Antimicrobial Agents</i> , 2010, 36, 549-556.	1.1	22
168	Origin of Enhanced Activities for CO Oxidation and O ₂ Reaction over Composition-Optimized Pd ₅₀ Cu ₅₀ Nanoalloy Catalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11010-11020.	1.5	22
169	Interfacial Mass Flux at 11-Mercaptoundecanoic Acid Linked Nanoparticle Assembly on Electrodes. <i>Journal of Physical Chemistry B</i> , 2002, 106, 9313-9321.	1.2	21
170	Chemical Analysis Using Scanning Force Microscopy. An Undergraduate Laboratory Experiment. <i>Journal of Chemical Education</i> , 2002, 79, 207.	1.1	21
171	Nanoparticle-Structured Ligand Framework as Electrode Interfaces. <i>Electroanalysis</i> , 2004, 16, 120-126.	1.5	20
172	Assessment of Morphological and Optical Properties of Molecularly Mediated Thin Film Assembly of Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2008, 112, 2448-2455.	1.5	20
173	Noble-transition metal nanoparticle breathing in a reactive gas atmosphere. <i>Nanoscale</i> , 2013, 5, 7379.	2.8	20
174	Surface Atomic Structure and Functionality of Metallic Nanoparticles: A Case Study of Au-Pd Nanoalloy Catalysts. <i>Journal of Physical Chemistry C</i> , 2017, 121, 7854-7866.	1.5	20
175	Synthesis-atomic structure-properties relationships in metallic nanoparticles by total scattering experiments and 3D computer simulations: case of Pt-Ru nanoalloy catalysts. <i>Nanoscale</i> , 2015, 7, 8122-8134.	2.8	19
176	DNA assembly and enzymatic cutting in solutions: a gold nanoparticle based SERS detection strategy. <i>Analyst</i> , 2013, 138, 4941.	1.7	18
177	Nanoalloy catalysts inside fuel cells: An atomic-level perspective on the functionality by combined in operando x-ray spectroscopy and total scattering. <i>Nano Energy</i> , 2018, 49, 209-220.	8.2	18
178	Surface-Mediated Interconnections of Nanoparticles in Cellulosic Fibrous Materials toward 3D Sensors. <i>Advanced Materials</i> , 2020, 32, e2002171.	11.1	18
179	Cationic recognition by tert-butylcalix[4]arene-functionalized nanoprobe. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 5824.	1.3	17
180	Design and electrochemical characterization of ternary alloy electrocatalysts for oxygen reduction reaction. <i>Journal of Electroanalytical Chemistry</i> , 2013, 688, 196-206.	1.9	17

#	ARTICLE	IF	CITATIONS
181	Proteomic profiling of <i>Bacillus licheniformis</i> reveals a stress response mechanism in the synthesis of extracellular polymeric flocculants. <i>Biotechnology and Bioengineering</i> , 2016, 113, 797-806.	1.7	17
182	Composition–Structure–Activity Correlation of Platinum–Ruthenium Nanoalloy Catalysts for Ethanol Oxidation Reaction. <i>Journal of Physical Chemistry C</i> , 2017, 121, 17077-17087.	1.5	17
183	Reducing Pt use in the catalysts for formic acid electrooxidation via nanoengineered surface structure. <i>Journal of Power Sources</i> , 2014, 257, 45-51.	4.0	16
184	Electrochemically Actuated Mercury Pump for Fluid Flow and Delivery. <i>Analytical Chemistry</i> , 2001, 73, 103-110.	3.2	15
185	Decoration of Nanofibrous Paper Chemiresistors with Dendronized Nanoparticles toward Structurally Tunable Negative–Going Response Characteristics to Human Breathing and Sweating. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700380.	1.9	15
186	Nanoalloying and phase transformations during thermal treatment of physical mixtures of Pd and Cu nanoparticles. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 025002.	2.8	14
187	Charting the relationship between phase type–surface area–interactions between the constituent atoms and oxygen reduction activity of Pd–Cu nanocatalysts inside fuel cells by in operando high-energy X-ray diffraction. <i>Journal of Materials Chemistry A</i> , 2017, 5, 7355-7365.	5.2	14
188	Hollow copper–ceria microspheres with single and multiple shells for preferential CO oxidation. <i>CrystEngComm</i> , 2019, 21, 3619-3626.	1.3	14
189	Dendritic Arenethiol-Based Capping Strategy for Engineering Size and Surface Reactivity of Gold Nanoparticles. <i>Chemistry of Materials</i> , 2010, 22, 5918-5928.	3.2	13
190	Synthesis of Gold Nanoparticles. <i>Comprehensive Analytical Chemistry</i> , 2014, 66, 37-79.	0.7	13
191	An aggregative growth process for controlling size, shape and composition of metal, alloy and core–shell nanoparticles toward desired bioapplications. <i>Journal of Materials Chemistry B</i> , 2014, 2, 6904-6916.	2.9	13
192	SERS nanoprobes for bio-application. <i>Frontiers of Chemical Science and Engineering</i> , 2015, 9, 428-441.	2.3	13
193	“Squeezed” interparticle properties for plasmonic coupling and SERS characteristics of duplex DNA conjugated/linked gold nanoparticles of homo/hetero-sizes. <i>Nanotechnology</i> , 2016, 27, 325706.	1.3	13
194	Copper-alloy catalysts: structural characterization and catalytic synergies. <i>Catalysis Science and Technology</i> , 2021, 11, 5712-5733.	2.1	13
195	Coupling a titanium dioxide based heterostructure photoanode with electroless-deposited nickel-phosphorus alloy coating on magnesium alloy for enhanced corrosion protection. <i>Journal of Materials Science and Technology</i> , 2022, 126, 252-265.	5.6	13
196	Nano-architectures of ordered hollow carbon spheres filled with carbon webs by template-free controllable synthesis. <i>Nanotechnology</i> , 2012, 23, 485404.	1.3	12
197	Synergistic catalytic properties of bifunctional nanoalloy catalysts in rechargeable lithium-oxygen battery. <i>Journal of Power Sources</i> , 2016, 326, 60-69.	4.0	12
198	Evolution of Active Sites in Pt-Based Nanoalloy Catalysts for the Oxidation of Carbonaceous Species by Combined in Situ Infrared Spectroscopy and Total X-ray Scattering. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 10870-10881.	4.0	12

#	ARTICLE	IF	CITATIONS
199	Catalytic oxidation of propane over palladium alloyed with gold: an assessment of the chemical and intermediate species. <i>Catalysis Science and Technology</i> , 2018, 8, 6228-6240.	2.1	12
200	Application of differential resonant high-energy X-ray diffraction to three-dimensional structure studies of nanosized materials: A case study of Pt@Pd nanoalloy catalysts. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2018, 74, 553-566.	0.0	11
201	An Infrared Reflection Spectroscopic Assessment of Interfacial Derivatization and Reactivity at Inter-Shell Linked Nanoparticle Films. <i>Langmuir</i> , 2000, 16, 9639-9644.	1.6	10
202	Harnessing molecule@solid duality of nanoclusters/nanoparticles for nanoscale control of size, shape and alloying. <i>Chemical Communications</i> , 2011, 47, 9885.	2.2	9
203	CO oxidation on supported platinum group metal (PGM) based nanoalloys. <i>Science China Chemistry</i> , 2015, 58, 14-28.	4.2	9
204	Phase properties of carbon-supported platinum@gold nanoparticles for formic acid eletro-oxidation. <i>Journal of Power Sources</i> , 2015, 294, 201-207.	4.0	9
205	Effect of surface physicochemical properties on the flocculation behavior of <i>Bacillus licheniformis</i> . <i>RSC Advances</i> , 2017, 7, 16049-16056.	1.7	9
206	A nickel-underlayer/LDH-midlayer/siloxane-toplayer composite coating for inhibiting galvanic corrosion between Ni layer and Mg alloy. <i>Chemical Engineering Journal</i> , 2022, 430, 132776.	6.6	9
207	Stability of Interdigitated Microelectrodes of Flexible Chemiresistor Sensors. <i>Journal of Display Technology</i> , 2012, 8, 377-384.	1.3	8
208	Determination of ion pairing on capping structures of gold nanoparticles by phase extraction. <i>Analyst</i> , The, 2015, 140, 6239-6244.	1.7	8
209	Engineering Active Sites of Gold-Cuprous Oxide Catalysts for Electrocatalytic Oxygen Reduction Reaction. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 46577-46587.	4.0	8
210	Palladium@Gold Alloy Nanowire@Structured Interface for Hydrogen Sensing. <i>ChemPlusChem</i> , 2015, 80, 722-730.	1.3	7
211	Electron Dose-Controlled Formation, Growth, and Assembly of Nanoclusters and Nanoparticles from Aurophilic Au(I)@Thiolate Ensemble on Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 40348-40357.	4.0	7
212	A simple vaporous probe with atomic-scale sensitivity to structural ordering and orientation of molecular assembly. <i>Chemical Science</i> , 2019, 10, 7104-7110.	3.7	7
213	Magneto-Plasmonic Nanoparticle Grid Biosensor with Enhanced Raman Scattering and Electrochemical Transduction for the Development of Nanocarriers for Targeted Delivery of Protected Anticancer Drugs. <i>Nanomaterials</i> , 2021, 11, 1326.	1.9	7
214	Formation of Water-Soluble Iron Oxide Nanoparticles Derived from Iron Storage Protein. <i>Journal of Nanoscience and Nanotechnology</i> , 2004, 4, 708-711.	0.9	6
215	Nanoscale Alloying in Electrocatalysts. <i>Catalysts</i> , 2015, 5, 1465-1478.	1.6	6
216	Harnessing the interparticle J-aggregate induced plasmonic coupling for surface-enhanced Raman scattering. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 28529-28533.	1.3	6

#	ARTICLE	IF	CITATIONS
217	Assessment of aggregative growth of MnZn ferrite nanoparticles. <i>Nanoscale</i> , 2016, 8, 19359-19367.	2.8	6
218	Nanoparticle Based Printed Sensors on Paper for Detecting Chemical Species. , 2017, , .		6
219	Lattice Strain and Surface Activity of Ternary Nanoalloys under the Propane Oxidation Condition. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 11435-11447.	4.0	6
220	Nano-Filamented Textile Sensor Platform with High Structure Sensitivity. <i>ACS Applied Materials & Interfaces</i> , 2022, 14, 15391-15400.	4.0	6
221	Combinatorial Assessment of the Activity-Composition Correlation for Several Alloy Nanoparticle Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 4675-4682.	1.8	5
222	Assessing Interparticle J-Aggregation of Two Different Cyanine Dyes with Gold Nanoparticles and Their Spectroscopic Characteristics. <i>Journal of Physical Chemistry C</i> , 2015, 119, 27786-27796.	1.5	5
223	Assessing the Role of Capping Molecules in Controlling Aggregative Growth of Gold Nanoparticles in Heated Solution. <i>Chemistry - an Asian Journal</i> , 2016, 11, 120-127.	1.7	5
224	Assessing Interparticle Spatial Characteristics of DNA-Linked Core-Shell Nanoparticles with or without Magnetic Cores in Surface Enhanced Raman Scattering. <i>Journal of Physical Chemistry C</i> , 2017, 121, 15767-15776.	1.5	5
225	Nanoscale Lacing by Electrons. <i>Small</i> , 2018, 14, 1800598.	5.2	5
226	Evolution of surface catalytic sites on thermochemically-tuned gold-palladium nanoalloys. <i>Nanoscale</i> , 2018, 10, 3849-3862.	2.8	5
227	A multifunctional anode with P-doped Si nanoparticles in a stress-buffering network of poly-l ³ -glutamate and graphene. <i>Chemical Communications</i> , 2020, 56, 14412-14415.	2.2	5
228	Silver-Copper Alloy Nanoinks for Ambient Temperature Sintering. <i>Langmuir</i> , 2022, 38, 5633-5644.	1.6	5
229	Chemiresistive properties regulated by nanoscale curvature in molecularly-linked nanoparticle composite assembly. <i>Nanoscale</i> , 2017, 9, 4013-4023.	2.8	4
230	Assessing Plasmonic Nanoprobes in Electromagnetic Field Enhancement for SERS Detection of Biomarkers. <i>Sensors</i> , 2021, 21, 8345.	2.1	4
231	Titration of gold nanoparticles in phase extraction. <i>Analyst</i> , The, 2015, 140, 8023-8032.	1.7	3
232	Molecularly-tunable nanoelectrode arrays created by harnessing intermolecular interactions. <i>Chemical Science</i> , 2021, 12, 6081-6090.	3.7	3
233	On the Counterintuitive Heterogeneous Electron Transfer Barrier Properties of Alkanethiolate Monolayers on Gold: Smooth versus Rough Surfaces. <i>Electroanalysis</i> , 2022, 34, 1936-1952.	1.5	3
234	A Low-Current and Multi-Channel Chemiresistor Array Sensor Device. <i>Sensors</i> , 2022, 22, 2781.	2.1	3

#	ARTICLE	IF	CITATIONS
235	Characterizations of Core-Shell Nanoparticle Catalysts for Methanol Electrooxidation. Materials Research Society Symposia Proceedings, 2002, 756, 1.	0.1	2
236	Assembly/Disassembly of DNA-Au Nanoparticles: A Strategy of Intervention. Research Letters in Nanotechnology, 2008, 2008, 1-4.	0.3	2
237	Biomolecular Recognition: Nanotransduction and Nanointervention. ACS Symposium Series, 2012, , 119-146.	0.5	2
238	Sensors: Nanoparticle-Structured Highly Sensitive and Anisotropic Gauge Sensors (Small 35/2015). Small, 2015, 11, 4508-4508.	5.2	2
239	Effect of Chemical Composition on the Nanoscale Ordering Transformations of Physical Mixtures of Pd and Cu Nanoparticles. Journal of Nanomaterials, 2018, 2018, 1-10.	1.5	2
240	Nanoparticle Assembly via Hydrogen-Bonding: IRS, TEM and AFM Characterizations. Materials Research Society Symposia Proceedings, 2001, 635, C4.5.1.	0.1	1
241	Synthesis of Bimetallic AuPt Nanoparticles in Aqueous Solution and Electrocatalytic Activity. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	1
242	Harvesting Nanocatalytic Heat Localized in Nanoalloy Catalyst as a Heat Source in a Nanocomposite Thin Film Thermoelectric Device. Langmuir, 2015, 31, 11158-11163.	1.6	1
243	Multimetallic Catalysts and Electrocatalysts: Dynamic Core-Shell Nanostructures. Nanostructure Science and Technology, 2021, , 61-82.	0.1	1
244	Electrical and Electrochemical Properties of Nanocomposite Thin Films Formed by Exchange-Precipitation Route from Nanocrystals and Organic Cross-Linkers. Materials Research Society Symposia Proceedings, 1999, 598, 309.	0.1	0
245	Characterizations of Nanostructured Films as Responsive Electrode Materials. Materials Research Society Symposia Proceedings, 2001, 704, 9291.	0.1	0
246	Organic-Inorganic Network Assembles of Nanoparticles as Chemically Sensitive Interfacial Materials. Materials Research Society Symposia Proceedings, 2001, 710, 1.	0.1	0
247	Construction of Spherical Assembly of Gold Nanoparticles Using Tetra[(methylthio)methyl] silane as Ligand. Materials Research Society Symposia Proceedings, 2002, 739, 261.	0.1	0
248	Interfacial Ion Fluxes at Nanostructured Thin Films. Materials Research Society Symposia Proceedings, 2002, 752, 1.	0.1	0
249	A Thermogravimetric Study of Alkanethiolate Monolayer-Capped Gold Nanoparticle Catalysts. Materials Research Society Symposia Proceedings, 2003, 789, 45.	0.1	0
250	Nanostructured Materials for Microfluidic Sensing Application. Materials Research Society Symposia Proceedings, 2003, 782, 1.	0.1	0
251	A Kinetic Study of Mediator-Template Assembly of Gold Nanoparticles. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0
252	Silica-Supported Au and Pt Nanoparticles and CO Adsorption. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0

#	ARTICLE	IF	CITATIONS
253	Iron Oxide Composite Nanoparticles and Sensing Properties. Materials Research Society Symposia Proceedings, 2005, 900, 1.	0.1	0