Munetaka Oyama

List of Publications by Year in descending order

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221 papers	8,183 citations	38660 50 h-index	60497 81 g-index
222 all docs	222 docs citations	222 times ranked	8930 citing authors

#	Article	IF	Citations
1	XPS study of silver, nickel and bimetallic silverâ€“nickel nanoparticles prepared by seed-mediated growth. Applied Surface Science, 2012, 258, 8807-8813.	3.1	456
2	Advances in enzyme-free electrochemical sensors for hydrogen peroxide, glucose, and uric acid. Mikrochimica Acta, 2014, 181, 689-705.	2.5	314
3	Differential pulse voltammetric determination of paracetamol at nanogold modified indium tin oxide electrode. Electrochemistry Communications, 2005, 7, 803-807.	2.3	249
4	Gold nanoparticles modified indium tin oxide electrode for the simultaneous determination of dopamine and serotonin: Application in pharmaceutical formulations and biological fluids. Talanta, 2007, 72, 976-983.	2.9	227
5	Sensors for 5-hydroxytryptamine and 5-hydroxyindole acetic acid based on nanomaterial modified electrodes. Sensors and Actuators B: Chemical, 2008, 134, 816-821.	4.0	202
6	Voltammetric determination of adenosine and guanosine using fullerene-C60-modified glassy carbon electrode. Talanta, 2007, 71, 1110-1117.	2.9	184
7	AuPd bimetallic nanoparticles decorated on graphene nanosheets: their green synthesis, growth mechanism and high catalytic ability in 4-nitrophenol reduction. Journal of Materials Chemistry A, 2014, 2, 5668-5674.	5.2	184
8	Differential pulse voltammetric determination of atenolol in pharmaceutical formulations and urine using nanogold modified indium tin oxide electrode. Electrochemistry Communications, 2006, 8, 65-70.	2.3	180
9	Nonenzymatic amperometric sensing of glucose by using palladium nanoparticles supported on functional carbon nanotubes. Biosensors and Bioelectronics, 2010, 25, 1803-1808.	5.3	151
10	ESR and optical studies of the radical anion of C60. Chemical Physics Letters, 1991, 186, 35-39.	1.2	134
11	A hydrogen peroxide sensor based on the peroxidase activity of hemoglobin immobilized on gold nanoparticles-modified ITO electrode. Electrochimica Acta, 2004, 50, 85-90.	2.6	131
12	Gold nanoparticles directly modified glassy carbon electrode for non-enzymatic detection of glucose. Applied Surface Science, 2014, 288, 524-529.	3.1	130
13	Green synthesis of grapheneâ€“PtPd alloy nanoparticles with high electrocatalytic performance for ethanol oxidation. Journal of Materials Chemistry A, 2014, 2, 315-320.	5.2	128
14	Synthesis of highly dispersed Pt nanoclusters anchored graphene composites and their application for non-enzymatic glucose sensing. Electrochimica Acta, 2015, 157, 149-157.	2.6	118
15	A novel electrode surface fabricated by directly attaching gold nanospheres and nanorods onto indium tin oxide substrate with a seed mediated growth process. Electrochemistry Communications, 2004, 6, 683-688.	2.3	117
16	Synthesis of Ptâ€“Pd bimetallic nanoparticles anchored on graphene for highly active methanol electro-oxidation. Journal of Power Sources, 2014, 262, 279-285.	4.0	108
17	Ultrafine palladium nanoparticles grown on graphene nanosheets for enhanced electrochemical sensing of hydrogen peroxide. Electrochimica Acta, 2013, 97, 398-403.	2.6	104
18	Gold nanoparticle-attached ITO as a biocompatible matrix for myoglobin immobilization: direct electrochemistry and catalysis to hydrogen peroxide. Journal of Electroanalytical Chemistry, 2005, 577, 273-279.	1.9	101

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19	PtPd nanodendrites supported on graphene nanosheets: A peroxidase-like catalyst for colorimetric detection of H2O2. Sensors and Actuators B: Chemical, 2014, 201, 286-292.	4.0	99
20	Gold nanoparticle arrays directly grown on nanostructured indium tin oxide electrodes: Characterization and electroanalytical application. Analytica Chimica Acta, 2005, 540, 299-306.	2.6	96
21	Second order optical effects in Au nanoparticle-deposited ZnO nanocrystallite films. Nanotechnology, 2008, 19, 185709.	1.3	95
22	Formation of Gold Nanoplates on Indium Tin Oxide Surface:â€‰ Two-Dimensional Crystal Growth from Gold Nanoseed Particles in the Presence of Poly(vinylpyrrolidone). Crystal Growth and Design, 2006, 6, 818-821.	1.4	93
23	Heterogeneous electron transfer kinetics and electrocatalytic behaviour of mixed self-assembled ferrocenes and SWCNT layers. Physical Chemistry Chemical Physics, 2010, 12, 604-613.	1.3	88
24	Recent Nanoarchitectures in Metal Nanoparticle-modified Electrodes for Electroanalysis. Analytical Sciences, 2010, 26, 1-12.	0.8	85
25	Physical, electrochemical and supercapacitive properties of activated carbon pellets from pre-carbonized rubber wood sawdust by CO2 activation. Current Applied Physics, 2010, 10, 1071-1075.	1.1	83
26	Au nanoparticles on citrate-functionalized graphene nanosheets with a high peroxidase-like performance. Dalton Transactions, 2014, 43, 7449-7454.	1.6	83
27	Silver-Nanoparticle-Attached Indium Tin Oxide Surfaces Fabricated by a Seed-Mediated Growth Approach. Journal of Physical Chemistry B, 2005, 109, 1204-1209.	1.2	82
28	Manganese oxide/graphene oxide composites for high-energy aqueous asymmetric electrochemical capacitors. Electrochimica Acta, 2013, 110, 228-233.	2.6	82
29	Synthesis of bimetallic PtPd nanocubes on graphene with N,N-dimethylformamide and their direct use for methanol electrocatalytic oxidation. Carbon, 2014, 66, 387-394.	5.4	78
30	Graphene modified Palladium sensor for electrochemical analysis of norepinephrine in pharmaceuticals and biological fluids. Electrochimica Acta, 2014, 125, 622-629.	2.6	78
31	Stereoselective Synthesis of 3-Alkylideneoxindoles Using Tandem In-Mediated Carbometalation and Pd-Catalyzed Cross-Coupling Reaction. Organic Letters, 2004, 6, 2825-2828.	2.4	76
32	Electrochemical Determination of Nitrite Using a Gold Nanoparticles-modified Glassy Carbon Electrode Prepared by the Seed-mediated Growth Technique. Analytical Sciences, 2007, 23, 1421-1425.	0.8	76
33	Facile synthesis of palladiumâ€“graphene nanocomposites and their catalysis for electro-oxidation of methanol and ethanol. Electrochimica Acta, 2013, 109, 570-576.	2.6	75
34	Nonlinear optical properties of Au nanoparticles on indiumâ€“tin oxide substrate. Nanotechnology, 2005, 16, 1687-1692.	1.3	74
35	In Situ Chemical Reductive Growth of Platinum Nanoparticles on Indium Tin Oxide Surfaces and Their Electrochemical Applications. Journal of Physical Chemistry B, 2006, 110, 1860-1865.	1.2	74
36	Seed Mediated Growth of Gold Nanoparticles on Indium Tin Oxide Electrodes: Electrochemical Characterization and Evaluation. Electroanalysis, 2005, 17, 408-416.	1.5	72

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37	Crystal Growth of Gold Nanoparticles on Indium Tin Oxides in the Absence and Presence of 3-Mercaptopropyl-trimethoxysilane. Crystal Growth and Design, 2005, 5, 81-84.	1.4	72
38	Electrocatalytic oxidation of nitric oxide at TiO2â€“Au nanocomposite film electrodes. Electrochemistry Communications, 2007, 9, 436-442.	2.3	64
39	Electrocatalytic activity of three-dimensional monolayer of 3-mercaptopropionic acid assembled on gold nanoparticle arrays. Electrochemistry Communications, 2007, 9, 459-464.	2.3	63
40	Two-Dimensional, Hierarchical Ag-Doped TiO₂ Nanocatalysts: Effect of the Metal Oxidation State on the Photocatalytic Properties. ACS Omega, 2018, 3, 2579-2587.	1.6	59
41	Efficient and clean synthesis of graphene supported platinum nanoclusters and its application in direct methanol fuel cell. Electrochimica Acta, 2012, 85, 84-89.	2.6	58
42	Stereoselective Synthesis of 3-Alkylideneoxindoles using Tandem Indium-Mediated Carbometallation and Palladium-Catalyzed Cross-Coupling Reactions. Advanced Synthesis and Catalysis, 2005, 347, 1632-1642.	2.1	57
43	A Seed-Mediated Growth Method for Vertical Array of Single-Crystalline CuO Nanowires on Surfaces. Crystal Growth and Design, 2007, 7, 2404-2409.	1.4	57
44	Growth of High-Density Gold Nanoparticles on an Indium Tin Oxide Surface Prepared Using a â€œTouchâ€• Seed-Mediated Growth Technique. Crystal Growth and Design, 2005, 5, 599-607.	1.4	56
45	Functionalized multiwall carbon nanotubes combined with bis(2,2â€²-bipyridine)-5-amino-1,10-phenanthroline ruthenium(II) as an electrochemiluminescence sensor. Sensors and Actuators B: Chemical, 2008, 129, 758-763.	4.0	56
46	Fabrication of a Colorimetric Electrochemiluminescence Sensor. Analytical Chemistry, 2009, 81, 830-833.	3.2	56
47	Formation of High-Yield Gold Nanoplates on the Surface: Effective Two-Dimensional Crystal Growth of Nanoseed in the Presence of Poly(vinylpyrrolidone) and Cetyltrimethylammonium Bromide. Crystal Growth and Design, 2009, 9, 2835-2840.	1.4	55
48	Effect of surface modification of indium tin oxide by nanoparticles on the electrochemical determination of tryptophan. Talanta, 2011, 85, 2626-2631.	2.9	55
49	Efficient Heterogeneous Catalytic Hydrogenation of Acetone to Isopropanol on Semihollow and Porous Palladium Nanocatalyst. ACS Applied Materials & Interfaces, 2013, 5, 9843-9849.	4.0	55
50	Nonenzymatic sensing of glucose at neutral pH values using a glassy carbon electrode modified with graphene nanosheets and Pt-Pd bimetallic nanocubes. Mikrochimica Acta, 2014, 181, 783-789.	2.5	55
51	Pharmacokinetics and preventive effects of platinum nanoparticles as reactive oxygen species scavengers on hepatic ischemia/reperfusion injury in mice. Metallomics, 2014, 6, 1050-1056.	1.0	53
52	Fast determination of salbutamol, abused by athletes for doping, in pharmaceuticals and human biological fluids by square wave voltammetry. Journal of Electroanalytical Chemistry, 2007, 611, 140-148.	1.9	51
53	â€œONâ€“OFFâ€•switching of europium complex luminescence coupled with a ligand redox process. Chemical Communications, 2012, 48, 4082.	2.2	46
54	ZnO nanocubes with (1 0 1) basal plane photocatalyst prepared via a low-frequency ultrasonic assisted hydrolysis process. Ultrasonics Sonochemistry, 2014, 21, 754-760.	3.8	46

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55	Comparison of spherical nanogold particles and nanogold plates for the oxidation of dopamine and ascorbic acid. Journal of Electroanalytical Chemistry, 2009, 631, 58-61.	1.9	43
56	Nanogold based electrochemical sensor for determination of norepinephrine in biological fluids. Sensors and Actuators B: Chemical, 2011, 153, 232-238.	4.0	42
57	High-performance aqueous asymmetric electrochemical capacitors based on graphene oxide/cobalt(ii)-tetrapyrazinoporphyrazine hybrids. Journal of Materials Chemistry A, 2013, 1, 2821.	5.2	42
58	Highly-reactive AgPt nanofern composed of {001}-faceted nanopyramidal spikes for enhanced heterogeneous photocatalysis application. Journal of Materials Chemistry A, 2014, 2, 17655-17665.	5.2	42
59	Nanoscale synthesis and optical features of metallic nickel nanoparticles by wet chemical approaches. Journal of Alloys and Compounds, 2011, 509, 5882-5886.	2.8	41
60	Poriferous microtablet of anatase TiO2 growth on an ITO surface for high-efficiency dye-sensitized solar cells. Solar Energy Materials and Solar Cells, 2014, 122, 174-182.	3.0	40
61	The electro-oxidation of N,N-dimethyl-p-toluidine in acetonitrile:. Journal of Electroanalytical Chemistry, 2002, 531, 33-42.	1.9	38
62	Non-enzymatic oxalic acid sensor using platinum nanoparticles modified on graphene nanosheets. Nanoscale, 2013, 5, 5779.	2.8	38
63	Seed-Mediated Growth of Palladium Nanocrystals on Indium Tin Oxide Surfaces and Their Applicability as Modified Electrodes. Journal of Physical Chemistry B, 2006, 110, 20362-20368.	1.2	37
64	Simultaneous determination of guanosine and guanosine-5â€²-triphosphate in biological sample using gold nanoparticles modified indium tin oxide electrode. Analytica Chimica Acta, 2007, 581, 32-36.	2.6	37
65	Development of a Dual-Electrolysis Stopped-Flow Method for the Observation of Electrogenerated Chemiluminescence in Energy-Sufficient Systems. Analytical Chemistry, 1998, 70, 5079-5084.	3.2	35
66	Synthesis of Palladium Nanobricks with Atomic-Step Defects. Crystal Growth and Design, 2008, 8, 1808-1811.	1.4	34
67	Formation of Highly Thin, Electron-Transparent Gold Nanoplates from Nanoseeds in Ternary Mixtures of Cetyltrimethylammonium Bromide, Poly(vinyl pyrrolidone), and Poly(ethylene glycol). Crystal Growth and Design, 2010, 10, 3694-3698.	1.4	34
68	Preparation of grass-like TiO2 nanostructure thin films: Effect of growth temperature. Applied Surface Science, 2013, 270, 109-114.	3.1	34
69	Agâ€“ZnO Nanoreactor Grown on FTO Substrate Exhibiting High Heterogeneous Photocatalytic Efficiency. ACS Combinatorial Science, 2014, 16, 314-320.	3.8	34
70	A highly selective melamine sensor relying on intensified electrochemiluminescence of the silica nanoparticles doped with [Ru(bpy)3]2+/molecularly imprinted polymer modified electrode. Sensors and Actuators B: Chemical, 2016, 236, 614-620.	4.0	34
71	Electrochemical properties of core-shell TiCâ€“TiO2nanoparticle films immobilized at ITO electrode surfaces. Physical Chemistry Chemical Physics, 2006, 8, 5437-5443.	1.3	33
72	Facile synthesis of monodisperse palladium nanocubes and the characteristics of self-assembly. Acta Materialia, 2007, 55, 3453-3456.	3.8	33

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73	A cast seed-mediated growth method for preparing gold nanoparticle-attached indium tin oxide surfaces. Applied Surface Science, 2006, 253, 2196-2202.	3.1	32
74	Attachment of gold nanoparticles onto indium tin oxide surfaces controlled by adding citrate ions in a seed-mediated growth method. Applied Surface Science, 2006, 253, 2933-2940.	3.1	32
75	Fullerene C60 modified gold electrode and nanogold modified indium tin oxide electrode for prednisolone determination. Bioelectrochemistry, 2009, 74, 272-277.	2.4	32
76	Effects of linker molecules on the attachment and growth of gold nanoparticles on indium tin oxide surfaces. Electrochimica Acta, 2009, 54, 5042-5047.	2.6	32
77	Detection of Formaldehyde in Water: A Shape-Effect on the Plasmonic Sensing Properties of the Gold Nanoparticles. Sensors, 2012, 12, 10309-10325.	2.1	32
78	Simultaneous Determination of Adenosine and Adenosine-5â€²-triphosphate at Nanogold Modified Indium Tin Oxide Electrode by Osteryoung Square-Wave Voltammetry. Electroanalysis, 2007, 19, 575-581.	1.5	31
79	Non-linear optical properties of the Ag nanoparticles on the ITO. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 31, 38-42.	1.3	30
80	Advances in porous and high-energy (001)-faceted anatase TiO2 nanostructures. Optical Materials, 2018, 75, 390-430.	1.7	30
81	Circularly polarized light-induced electrogyration in the Au nanoparticles on the ITO. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 27, 420-426.	1.3	29
82	Kinetic Studies on the Reactions of Electrogenerated 9,10-Diphenylanthracene Cation Radical with Water and Alcohols by Means of Column-Electrolytic Stopped-Flow Method. Bulletin of the Chemical Society of Japan, 1990, 63, 33-41.	2.0	27
83	Control of the plasmon absorption of gold nanoparticles with a two-color excitation. Journal of Applied Physics, 2005, 98, 084304.	1.1	27
84	An original planar multireflection system for sensing using the local surface plasmon resonance of gold nanospheres. Journal of Optics, 2006, 8, 268-271.	1.5	27
85	Porous (001)-faceted Zn-doped anatase TiO₂ nanowalls and their heterogeneous photocatalytic characterization. RSC Advances, 2014, 4, 57054-57063.	1.7	27
86	A novel electrochemiluminescence sensor based on bis(2,2â€²-bipyridine)-5-amino-1,10-phenanthroline ruthenium(II) covalently combined with graphite oxide. Biosensors and Bioelectronics, 2010, 26, 872-876.	5.3	26
87	Effect of gold nanoparticle attached multi-walled carbon nanotube-layered indium tin oxide in monitoring the effect of paracetamol on the release of epinephrine. Analytica Chimica Acta, 2011, 693, 35-40.	2.6	26
88	Fibrous, ultra-small nanorod-constructed platinum nanocubes directly grown on the ITO substrate and their heterogeneous catalysis application. RSC Advances, 2013, 3, 19789.	1.7	26
89	Electrochemical Investigation of Metal Oxide Conducting Electrodes for Direct Detection of Sulfide. Electroanalysis, 2015, 27, 1268-1275.	1.5	26
90	Kinetic study on the dimerization reaction of 9-methoxyanthracene cation radical by means of fast scan cyclic voltammetry. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 270, 191-204.	0.3	24

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91	A concept of an electron transfer stopped-flow method. Electrochemistry Communications, 2000, 2, 675-678.	2.3	24
92	Voltammetric determination of anabolic steroid nandrolone at gold nanoparticles modified ITO electrode in biological fluids. Talanta, 2007, 72, 140-144.	2.9	24
93	An Intermediate State of the Triphenylamine Cation Radical Revealed Using an Electron-Transfer Stopped-Flow Method. Electrochemical and Solid-State Letters, 2002, 5, E1.	2.2	23
94	Synthesis of Amorphous Platinum Nanofibers Directly on an ITO Substrate and Its Heterogeneous Catalytic Hydrogenation Characterization. ACS Applied Materials & Interfaces, 2015, 7, 7776-7785.	4.0	23
95	Voltammetric behavior of TiO2 films on graphite electrodes prepared by liquid phase deposition. Materials Chemistry and Physics, 2004, 88, 398-403.	2.0	22
96	Platinum nano-cluster thin film formed on glassy carbon and the application for methanol oxidation. Thin Solid Films, 2007, 515, 3311-3314.	0.8	22
97	Electrochemiluminescence of Luminol on a Platinum-Nanoparticle-Modified Indium Tin Oxide Electrode in Neutral Aqueous Solution. Journal of Nanoscience and Nanotechnology, 2009, 9, 2413-2420.	0.9	22
98	Fluorescent and nonlinear optical features of CdTe quantum dots. Journal of Materials Science: Materials in Electronics, 2012, 23, 546-550.	1.1	22
99	Preparation of monodispersed carboxylate-functionalized gold nanoparticles using pamoic acid as a reducing and capping reagent. Gold Bulletin, 2014, 47, 127-132.	1.1	22
100	Electroanalysis of myoglobin and hemoglobin with a boron-doped diamond electrode. Microchemical Journal, 2004, 78, 217-222.	2.3	21
101	An approach to surface functionalization of indium tin oxide for regular growth of silver nano-particles and their optical features. Journal of Alloys and Compounds, 2011, 509, 2631-2638.	2.8	21
102	Metalâ€“organic framework-5 as a novel phosphorescent probe for the highly selective and sensitive detection of Pb(II) in mussels. Sensors and Actuators B: Chemical, 2020, 308, 127733.	4.0	21
103	Kinetics of the Decay Reactions of the N,N-Dimethyl-p-Toluidine Cation Radical in Acetonitrile. Acidâ^'Base Interaction to Promote the CH2â^'CH2 Bonding. Journal of Physical Chemistry A, 2002, 106, 8103-8108.	1.1	19
104	Photoinduced absorption of Ag nanoparticles deposited on ITO substrate. Journal of Alloys and Compounds, 2011, 509, S424-S426.	2.8	19
105	Substituent effects on the reaction kinetics of electrogenerated 9-substituted 10-phenylanthracene cation radicals with water and methanol. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 304, 61-73.	0.3	18
106	Electrocatalytic evaluation of liquid phase deposited methylene blue/TiO2 hybrid films. Electrochemistry Communications, 2008, 10, 1038-1040.	2.3	18
107	A simple route to vertical array of quasi-1D ZnO nanofilms on FTO surfaces: 1D-crystal growth of nanoseeds under ammonia-assisted hydrolysis process. Nanoscale Research Letters, 2011, 6, 564.	3.1	18
108	A Biocompatible Nano Gold Modified Palladium Sensor for Determination of Dopamine in Biological Fluids. Journal of the Electrochemical Society, 2014, 161, H41-H46.	1.3	18

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109	Mechanistic discrimination of the reaction of 1-aminopyrene cation radical using an electron transfer stopped-flow method. Decay reaction accelerated by neutral molecules. Electrochemistry Communications, 2001, 3, 363-366.	2.3	17
110	Electrochemical investigations of 8-hydroxydeoxyguanosine and its determination at an edge plane pyrolytic graphite electrode. RSC Advances, 2016, 6, 1722-1728.	1.7	17
111	Preparation of Indium Tin Oxide Nanoparticleâ€modified 3â€Aminopropyltrimethoxysilaneâ€functionalized Indium Tin Oxide Electrode for Electrochemical Sulfide Detection. Electroanalysis, 2017, 29, 1683-1690.	1.5	17
112	Apparent acidâ€“base reaction between the N,N-dimethyl-p-toluidine cation radical and the neutral molecule in acetonitrile. Electrochemistry Communications, 2002, 4, 110-114.	2.3	16
113	The Influence of Gold Nanoparticles on Simultaneous Determination of Uric Acid and Ascorbic Acid. Analytical Letters, 2009, 43, 22-33.	1.0	16
114	Size-controlled preparation of fluorescent gold nanoparticles using pamoic acid. Gold Bulletin, 2015, 48, 85-92.	1.1	16
115	Fibrous AuPt bimetallic nanocatalyst with enhanced catalytic performance. RSC Advances, 2016, 6, 27696-27705.	1.7	16
116	Electron-Transfer Stopped-Flow Method: Its Validity for Spectrochemical Analysis of Electrogenerated Cation Radicals. Journal of the Electrochemical Society, 2002, 149, E12.	1.3	15
117	Hierarchical Bimetallic AgPt Nanoferns as High-Performance Catalysts for Selective Acetone Hydrogenation to Isopropanol. ACS Omega, 2018, 3, 11526-11536.	1.6	15
118	Selective measurement of resonance Raman and absorption spectra of different charged species produced in the electrooxidation of N,Nâ€²-dimethyl-N,Nâ€²-diphenylbenzidine by means of a column electrolytic continuous-flow method. Vibrational Spectroscopy, 1991, 1, 329-338.	1.2	14
119	Spectroscopic Observation of the Dimerization Reactions of the 9-Phenylcarbazole Cation Radical in Acetonitrile. Bulletin of the Chemical Society of Japan, 2004, 77, 953-957.	2.0	14
120	Carbon Nanofiber and Poly[2â€(methacryloyloxy) ethyl] Trimethylammonium Chloride Composite as a New Benchmark Carbonâ€based Electrocatalyst for Sulfide Oxidation. Chemistry - an Asian Journal, 2021, 16, 1570-1583.	1.7	14
121	Two-dimensional CCD detection of electrogenerated chemiluminescence (ECL) on an electrode surface. ECL reactions involving microcrystals of the perylene dimer cation radical salt. Journal of Electroanalytical Chemistry, 1999, 473, 166-172.	1.9	13
122	Organic high-spin systems: synthesis, electrochemical and ETSF studies of a series of tetraaryl-meta-phenylenediamines. Journal of Physics and Chemistry of Solids, 2004, 65, 733-736.	1.9	13
123	Effects of Capping Reagents on the Electron Transfer Reactions on Gold Nanoparticle-Attached Indium Tin Oxide Electrodes. Electroanalysis, 2007, 19, 847-852.	1.5	13
124	The Initial Transformation Mechanism of Gold Seeds on Indium Tin Oxide Surfaces. Crystal Growth and Design, 2008, 8, 863-868.	1.4	13
125	Recent Nanoarchitectures in Metal Nanoparticle-Graphene Nanocomposite Modified Electrodes for Electroanalysis. Analytical Sciences, 2014, 30, 529-538.	0.8	13
126	Perovskite-sensitized solar cells-based Gaâ€“TiO2 nanodiatom-like photoanode: the improvement of performance by perovskite crystallinity refinement. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	13

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127	Formation of a Multi-Arm Branched Nanorod of ZnO on the Si Surface via a Nanoseed-Induced Polytypic Crystal Growth Using the Hydrothermal Method. Science of Advanced Materials, 2013, 5, 803-809.	0.1	13
128	Formation of Ï€-excimer or Ï€-exciplex in electrogenerated chemiluminescence involving perylene molecule revealed using a dual-electrolysis stopped-flow method. Electrochemistry Communications, 2000, 2, 363-366.	2.3	12
129	Electrochemiluminescent behaviors of alkaloids and tris(2,2â€²-bipyridine) ruthenium in organically modified silicate film. Talanta, 2006, 70, 104-110.	2.9	12
130	Pd nanoparticles as new materials for acoustically induced non-linear optics. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 121-125.	1.3	12
131	Determination of methylprednisolone acetate in biological fluids at gold nanoparticles modified ITO electrode. Journal of Pharmaceutical and Biomedical Analysis, 2007, 44, 1147-1153.	1.4	12
132	Laser stimulated electrooptics in the Agâ€“ZnO nanorods. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 61, 23-27.	1.3	12
133	Synthesis of Palladium Nanoparticles on Citrate-functionalized Graphene Oxide with High Catalytic Activity for 4-Nitrophenol Reduction. Chemistry Letters, 2014, 43, 919-921.	0.7	12
134	Surface functionalization by silver-containing molecules with controlled distribution of functionalities. Applied Surface Science, 2019, 481, 433-436.	3.1	12
135	Kinetic Analysis of Reactions ofp-Anisidine andN-Methyl-p-anisidine Cation Radicals in Acetonitrile Using an Electron-Transfer Stopped-Flow Method. Journal of Physical Chemistry A, 2004, 108, 3980-3986.	1.1	11
136	Laser induced microrelief superstructure of Ag/ITO seed-mediated nanocomposites. Superlattices and Microstructures, 2009, 46, 637-644.	1.4	11
137	Nonlinear optical features of Î´-BiB3O6/PVA polymer nanocomposites deposited on aluminum-doped zinc oxide substrates containing Ag nanoparticles. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 64, 1-6.	1.3	11
138	Preparation and Characterization of Bhant Leavesâ€derived Nitrogenâ€doped Carbon and its Use as an Electrocatalyst for Detecting Ketoconazole. Electroanalysis, 2020, 32, 528-535.	1.5	11
139	Reaction of the triphenylamine cation radical with pyridine in acetonitrile. Electrochemical responses vs. decay reactions in homogeneous solution. Electrochemistry Communications, 2002, 4, 759-763.	2.3	10
140	Acoustical circularly polarized gyration in the Au nanoparticles on the ITO. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 28, 178-184.	1.3	10
141	Kinetics of photoinduced changes in Ag nanoparticles deposited on an indium tin oxide surface. Philosophical Magazine Letters, 2005, 85, 549-556.	0.5	10
142	Tunable electrochemical properties of liquid phase deposited TiO2 films. Journal of Applied Electrochemistry, 2008, 38, 1421-1426.	1.5	10
143	Photo-conversion and evolution of one-dimensional Cu nanoparticles under femtosecond laser irradiation. Applied Surface Science, 2008, 254, 4992-4998.	3.1	10
144	Surface Observation for Seed-mediated Growth Attachment of Gold Nanoparticles on a Glassy Carbon Substrate. Analytical Sciences, 2009, 25, 249-253.	0.8	10

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145	Facile and Rapid Synthesis of Ultrafine PtPd Bimetallic Nanoparticles and Their High Performance toward Methanol Electrooxidation. Journal of Nanomaterials, 2014, 2014, 1-7.	1.5	10
146	Palladium Deposition on Nickel Wire Electrodes by a Galvanic Replacement Reaction. ACS Applied Energy Materials, 2019, 2, 2337-2343.	2.5	10
147	Codeposition of Platinum and Gold on Nickel Wire Electrodes via Galvanic Replacement Reactions for Electrocatalytic Oxidation of Alcohols. ACS Omega, 2021, 6, 18395-18403.	1.6	10
148	Resonance Raman measurement of electrochemically generated short-lived 9,10-dihalogenoanthracene cation radicals. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 297, 557-563.	0.3	9
149	Measurement of time-resolved absorption spectra of species generated by fast electrochemical processes. Analytica Chimica Acta, 1991, 245, 199-202.	2.6	9
150	Electrochemical Analysis of Ion-Pair Formation Reactions Involving Organic Dianions Using Differential Pulse Voltammetry. Electroanalysis, 2001, 13, 917-922.	1.5	9
151	Reduction of p-benzoquinone in the presence of phospholipid molecules in a lipophilic environment at the thin benzonitrile layer modified electrode. Journal of Electroanalytical Chemistry, 2002, 518, 27-32.	1.9	9
152	Circular acoustogyration effect on gold nanoparticles grown on indium tin oxide. Applied Optics, 2005, 44, 6905.	2.1	9
153	Pump-dependent luminescence in the Ag nanoparticles doped by Erbium. Applied Surface Science, 2006, 253, 1626-1630.	3.1	9
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