Munetaka Oyama

List of Publications by Citations

220 papers	7,001 citations	47 h-index	75 g-index
222 ext. papers	7,462 ext. citations	4.4 avg, IF	5.96 L-index

#	Paper	IF	Citations
220	XPS study of silver, nickel and bimetallic silver–nickel nanoparticles prepared by seed-mediated growth. *Applied Surface Science*, **2012**, 258, 8807-8813	6.7	362
219	Advances in enzyme-free electrochemical sensors for hydrogen peroxide, glucose, and uric acid. *Mikrochimica Acta*, **2014**, 181, 689-705	5.8	268
218	Differential pulse voltammetric determination of paracetamol at nanogold modified indium tin oxide electrode. *Electrochemistry Communications*, **2005**, 7, 803-807	5.1	218
217	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, 976-83	6.2	200
216	Sensors for 5-hydroxytryptamine and 5-hydroxyindole acetic acid based on nanomaterial modified electrodes. *Sensors and Actuators B: Chemical*, **2008**, 134, 816-821	8.5	171
215	Voltammetric determination of adenosine and guanosine using fullerene-C(60)-modified glassy carbon electrode. *Talanta*, **2007**, 71, 1110-7	6.2	167
214	Differential pulse voltammetric determination of atenolol in pharmaceutical formulations and urine using nanogold modified indium tin oxide electrode. *Electrochemistry Communications*, **2006**, 8, 65-70	5.1	155
213	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	13	151
212	Nonenzymatic amperometric sensing of glucose by using palladium nanoparticles supported on functional carbon nanotubes. *Biosensors and Bioelectronics*, **2010**, 25, 1803-8	11.8	141
211	ESR and optical studies of the radical anion of C60. *Chemical Physics Letters*, **1991**, 186, 35-39	2.5	124
210	A hydrogen peroxide sensor based on the peroxidase activity of hemoglobin immobilized on gold nanoparticles-modified ITO electrode. *Electrochimica Acta*, **2004**, 50, 85-90	6.7	121
209	Green synthesis of graphene–PtPd alloy nanoparticles with high electrocatalytic performance for ethanol oxidation. *Journal of Materials Chemistry A*, **2014**, 2, 315-320	13	116
208	Gold nanoparticles directly modified glassy carbon electrode for non-enzymatic detection of glucose. *Applied Surface Science*, **2014**, 288, 524-529	6.7	106
207	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	5.1	104
206	Synthesis of highly dispersed Pt nanoclusters anchored graphene composites and their application for non-enzymatic glucose sensing. *Electrochimica Acta*, **2015**, 157, 149-157	6.7	99
205	Synthesis of Pt–Pd bimetallic nanoparticles anchored on graphene for highly active methanol electro-oxidation. *Journal of Power Sources*, **2014**, 262, 279-285	8.9	94
204	Ultrafine palladium nanoparticles grown on graphene nanosheets for enhanced electrochemical sensing of hydrogen peroxide. *Electrochimica Acta*, **2013**, 97, 398-403	6.7	94

203	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	4.1	93
202	PtPd nanodendrites supported on graphene nanosheets: A peroxidase-like catalyst for colorimetric detection of H2O2. *Sensors and Actuators B: Chemical*, **2014**, 201, 286-292	8.5	88
201	Second order optical effects in Au nanoparticle-deposited ZnO nanocrystallite films. *Nanotechnology*, **2008**, 19, 185709	3.4	87
200	Gold nanoparticle arrays directly grown on nanostructured indium tin oxide electrodes: Characterization and electroanalytical application. *Analytica Chimica Acta*, **2005**, 540, 299-306	6.6	84
199	Formation of Gold Nanoplates on Indium Tin Oxide Surface: Two-Dimensional Crystal Growth from Gold Nanoseed Particles in the Presence of Poly(vinylpyrrolidone). *Crystal Growth and Design*, **2006**, 6, 818-821	3.5	83
198	Manganese oxide/graphene oxide composites for high-energy aqueous asymmetric electrochemical capacitors. *Electrochimica Acta*, **2013**, 110, 228-233	6.7	77
197	Recent nanoarchitectures in metal nanoparticle-modified electrodes for electroanalysis. *Analytical Sciences*, **2010**, 26, 1-12	1.7	75
196	Silver-nanoparticle-attached indium tin oxide surfaces fabricated by a seed-mediated growth approach. *Journal of Physical Chemistry B*, **2005**, 109, 1204-9	3.4	74
195	Au nanoparticles on citrate-functionalized graphene nanosheets with a high peroxidase-like performance. *Dalton Transactions*, **2014**, 43, 7449-54	4.3	72
194	Stereoselective synthesis of 3-alkylideneoxindoles using tandem In-mediated carbometalation and Pd-catalyzed cross-coupling reaction. *Organic Letters*, **2004**, 6, 2825-8	6.2	72
193	Heterogeneous electron transfer kinetics and electrocatalytic behaviour of mixed self-assembled ferrocenes and SWCNT layers. *Physical Chemistry Chemical Physics*, **2010**, 12, 604-13	3.6	71
192	Nonlinear optical properties of Au nanoparticles on indium tin oxide substrate. *Nanotechnology*, **2005**, 16, 1687-1692	3.4	71
191	Synthesis of bimetallic PtPd nanocubes on graphene with N,N-dimethylformamide and their direct use for methanol electrocatalytic oxidation. *Carbon*, **2014**, 66, 387-394	10.4	67
190	In situ chemical reductive growth of platinum nanoparticles on indium tin oxide surfaces and their electrochemical applications. *Journal of Physical Chemistry B*, **2006**, 110, 1860-5	3.4	67
189	Facile synthesis of palladium graphene nanocomposites and their catalysis for electro-oxidation of methanol and ethanol. *Electrochimica Acta*, **2013**, 109, 570-576	6.7	65
188	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	3.5	65
187	Graphene modified Palladium sensor for electrochemical analysis of norepinephrine in pharmaceuticals and biological fluids. *Electrochimica Acta*, **2014**, 125, 622-629	6.7	64
186	Seed Mediated Growth of Gold Nanoparticles on Indium Tin Oxide Electrodes: Electrochemical Characterization and Evaluation. *Electroanalysis*, **2005**, 17, 408-416	3	64

185	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	2.6	63
184	Electrochemical determination of nitrite using a gold nanoparticles-modified glassy carbon electrode prepared by the seed-mediated growth technique. *Analytical Sciences*, **2007**, 23, 1421-5	1.7	63
183	Electrocatalytic oxidation of nitric oxide at TiO2Au nanocomposite film electrodes. *Electrochemistry Communications*, **2007**, 9, 436-442	5.1	61
182	Electrocatalytic activity of three-dimensional monolayer of 3-mercaptopropionic acid assembled on gold nanoparticle arrays. *Electrochemistry Communications*, **2007**, 9, 459-464	5.1	57
181	Stereoselective Synthesis of 3-Alkylideneoxindoles using Tandem Indium-Mediated Carbometallation and Palladium-Catalyzed Cross-Coupling Reactions. *Advanced Synthesis and Catalysis*, **2005**, 347, 1632-1642	5.6	54
180	A Seed-Mediated Growth Method for Vertical Array of Single-Crystalline CuO Nanowires on Surfaces. *Crystal Growth and Design*, **2007**, 7, 2404-2409	3.5	52
179	Fabrication of a colorimetric electrochemiluminescence sensor. *Analytical Chemistry*, **2009**, 81, 830-3	7.8	51
178	Functionalized multiwall carbon nanotubes combined with bis(2,2?-bipyridine)-5-amino-1,10-phenanthroline ruthenium(II) as an electrochemiluminescence sensor. *Sensors and Actuators B: Chemical*, **2008**, 129, 758-763	8.5	51
177	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	5.8	50
176	Efficient and clean synthesis of graphene supported platinum nanoclusters and its application in direct methanol fuel cell. *Electrochimica Acta*, **2012**, 85, 84-89	6.7	49
175	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	3.5	48
174	Effect of surface modification of indium tin oxide by nanoparticles on the electrochemical determination of tryptophan. *Talanta*, **2011**, 85, 2626-31	6.2	47
173	Growth of High-Density Gold Nanoparticles on an Indium Tin Oxide Surface Prepared Using a Touch Seed-Mediated Growth Technique. *Crystal Growth and Design*, **2005**, 5, 599-607	3.5	47
172	ZnO nanocubes with (101) basal plane photocatalyst prepared via a low-frequency ultrasonic assisted hydrolysis process. *Ultrasonics Sonochemistry*, **2014**, 21, 754-60	8.9	43
171	Efficient heterogeneous catalytic hydrogenation of acetone to isopropanol on semihollow and porous palladium nanocatalyst. *ACS Applied Materials & Interfaces*, **2013**, 5, 9843-9	9.5	43
170	"ON-OFF" switching of europium complex luminescence coupled with a ligand redox process. *Chemical Communications*, **2012**, 48, 4082-4	5.8	43
169	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	4.1	42
168	Comparison of spherical nanogold particles and nanogold plates for the oxidation of dopamine and ascorbic acid. *Journal of Electroanalytical Chemistry*, **2009**, 631, 58-61	4.1	40

167	Pharmacokinetics and preventive effects of platinum nanoparticles as reactive oxygen species scavengers on hepatic ischemia/reperfusion injury in mice. *Metallomics*, **2014**, 6, 1050-6	4.5	37
166	Nanogold based electrochemical sensor for determination of norepinephrine in biological fluids. *Sensors and Actuators B: Chemical*, **2011**, 153, 232-238	8.5	37
165	Two-Dimensional, Hierarchical Ag-Doped TiO Nanocatalysts: Effect of the Metal Oxidation State on the Photocatalytic Properties. *ACS Omega*, **2018**, 3, 2579-2587	3.9	36
164	High-performance aqueous asymmetric electrochemical capacitors based on graphene oxide/cobalt(II)-tetrapyrazinoporphyrazine hybrids. *Journal of Materials Chemistry A*, **2013**, 1, 2821	13	36
163	Nanoscale synthesis and optical features of metallic nickel nanoparticles by wet chemical approaches. *Journal of Alloys and Compounds*, **2011**, 509, 5882-5886	5.7	35
162	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	6.4	34
161	Highly-reactive AgPt nanofern composed of {001}-faceted nanopyramidal spikes for enhanced heterogeneous photocatalysis application. *Journal of Materials Chemistry A*, **2014**, 2, 17655-17665	13	33
160	Ag-ZnO nanoreactor grown on FTO substrate exhibiting high heterogeneous photocatalytic efficiency. *ACS Combinatorial Science*, **2014**, 16, 314-20	3.9	33
159	The electro-oxidation of N,N-dimethyl-p-toluidine in acetonitrile:: a microdisk voltammetry study. *Journal of Electroanalytical Chemistry*, **2002**, 531, 33-42	4.1	33
158	Effects of linker molecules on the attachment and growth of gold nanoparticles on indium tin oxide surfaces. *Electrochimica Acta*, **2009**, 54, 5042-5047	6.7	31
157	Facile synthesis of monodisperse palladium nanocubes and the characteristics of self-assembly. *Acta Materialia*, **2007**, 55, 3453-3456	8.4	31
156	Synthesis of Palladium Nanobricks with Atomic-Step Defects. *Crystal Growth and Design*, **2008**, 8, 1808-1811	3.5	30
155	Electrochemical properties of core-shell TiC-TiO2 nanoparticle films immobilized at ITO electrode surfaces. *Physical Chemistry Chemical Physics*, **2006**, 8, 5437-43	3.6	30
154	Non-enzymatic oxalic acid sensor using platinum nanoparticles modified on graphene nanosheets. *Nanoscale*, **2013**, 5, 5779-83	7.7	29
153	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	3.5	29
152	Simultaneous determination of guanosine and guanosine-5'-triphosphate in biological sample using gold nanoparticles modified indium tin oxide electrode. *Analytica Chimica Acta*, **2007**, 581, 32-6	6.6	29
151	Seed-mediated growth of palladium nanocrystals on indium tin oxide surfaces and their applicability as modified electrodes. *Journal of Physical Chemistry B*, **2006**, 110, 20362-8	3.4	29
150	Non-linear optical properties of the Ag nanoparticles on the ITO. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 31, 38-42	3	29

149	Circularly polarized light-induced electrogyration in the Au nanoparticles on the ITO. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 27, 420-426	3	28
148	Detection of formaldehyde in water: a shape-effect on the plasmonic sensing properties of the gold nanoparticles. *Sensors*, **2012**, 12, 10309-25	3.8	27
147	Fullerene C60 modified gold electrode and nanogold modified indium tin oxide electrode for prednisolone determination. *Bioelectrochemistry*, **2009**, 74, 272-7	5.6	27
146	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	8.5	26
145	A novel electrochemiluminescence sensor based on bis(2,2'-bipyridine)-5-amino-1,10-phenanthroline ruthenium(II) covalently combined with graphite oxide. *Biosensors and Bioelectronics*, **2010**, 26, 872-6	11.8	26
144	Control of the plasmon absorption of gold nanoparticles with a two-color excitation. *Journal of Applied Physics*, **2005**, 98, 084304	2.5	26
143	Development of a dual-electrolysis stopped-flow method for the observation of electrogenerated chemiluminescence in energy-sufficient systems. *Analytical Chemistry*, **1998**, 70, 5079-84	7.8	26
142	Fibrous, ultra-small nanorod-constructed platinum nanocubes directly grown on the ITO substrate and their heterogeneous catalysis application. *RSC Advances*, **2013**, 3, 19789	3.7	24
141	Preparation of grass-like TiO2 nanostructure thin films: Effect of growth temperature. *Applied Surface Science*, **2013**, 270, 109-114	6.7	24
140	Simultaneous Determination of Adenosine and Adenosine-5?-triphosphate at Nanogold Modified Indium Tin Oxide Electrode by Osteryoung Square-Wave Voltammetry. *Electroanalysis*, **2007**, 19, 575-581	3	24
139	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	6.7	24
138	Electrochemical Investigation of Metal Oxide Conducting Electrodes for Direct Detection of Sulfide. *Electroanalysis*, **2015**, 27, 1268-1275	3	23
137	Porous (001)-faceted Zn-doped anatase TiO2 nanowalls and their heterogeneous photocatalytic characterization. *RSC Advances*, **2014**, 4, 57054-57063	3.7	23
136	An original planar multireflection system for sensing using the local surface plasmon resonance of gold nanospheres. *Journal of Optics*, **2006**, 8, 268-271		23
135	A cast seed-mediated growth method for preparing gold nanoparticle-attached indium tin oxide surfaces. *Applied Surface Science*, **2006**, 253, 2196-2202	6.7	23
134	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	6.6	22
133	Voltammetric behavior of TiO2 films on graphite electrodes prepared by liquid phase deposition. *Materials Chemistry and Physics*, **2004**, 88, 398-403	4.4	21
132	An Intermediate State of the Triphenylamine Cation Radical Revealed Using an Electron-Transfer Stopped-Flow Method. *Electrochemical and Solid-State Letters*, **2002**, 5, E1		21

131	Advances in porous and high-energy (001)-faceted anatase TiO2 nanostructures. *Optical Materials*, **2018**, 75, 390-430	3.3	21
130	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	5.7	20
129	Platinum nano-cluster thin film formed on glassy carbon and the application for methanol oxidation. *Thin Solid Films*, **2007**, 515, 3311-3314	2.2	20
128	Preparation of monodispersed carboxylate-functionalized gold nanoparticles using pamoic acid as a reducing and capping reagent. *Gold Bulletin*, **2014**, 47, 127-132	1.6	19
127	Fluorescent and nonlinear optical features of CdTe quantum dots. *Journal of Materials Science: Materials in Electronics*, **2012**, 23, 546-550	2.1	19
126	Electroanalysis of myoglobin and hemoglobin with a boron-doped diamond electrode. *Microchemical Journal*, **2004**, 78, 217-222	4.8	19
125	A concept of an electron transfer stopped-flow method. *Electrochemistry Communications*, **2000**, 2, 675-678	5.1	18
124	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	5.1	18
123	Photoinduced absorption of Ag nanoparticles deposited on ITO substrate. *Journal of Alloys and Compounds*, **2011**, 509, S424-S426	5.7	17
122	Electrochemiluminescence of luminol on a platinum-nanoparticle-modified indium tin oxide electrode in neutral aqueous solution. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 2413-20	1.3	17
121	Voltammetric determination of anabolic steroid nandrolone at gold nanoparticles modified ITO electrode in biological fluids. *Talanta*, **2007**, 72, 140-4	6.2	17
120	Synthesis of amorphous platinum nanofibers directly on an ITO substrate and its heterogeneous catalytic hydrogenation characterization. *ACS Applied Materials & Interfaces*, **2015**, 7, 7776-85	9.5	16
119	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		16
118	Electrochemical investigations of 8-hydroxydeoxyguanosine and its determination at an edge plane pyrolytic graphite electrode. *RSC Advances*, **2016**, 6, 1722-1728	3.7	15
117	A Biocompatible Nano Gold Modified Palladium Sensor for Determination of Dopamine in Biological Fluids. *Journal of the Electrochemical Society*, **2014**, 161, H41-H46	3.9	15
116	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	5	15
115	Electrocatalytic evaluation of liquid phase deposited methylene blue/TiO2 hybrid films. *Electrochemistry Communications*, **2008**, 10, 1038-1040	5.1	15
114	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	5.1	15

113	Kinetics of the Decay Reactions of the N,N-Dimethyl-p-Toluidine Cation Radical in Acetonitrile. Acid–Base Interaction to Promote the CH2–CH2 Bonding. *Journal of Physical Chemistry A*, **2002**, 106, 8103-8108	2.8	15
112	Size-controlled preparation of fluorescent gold nanoparticles using pamoic acid. *Gold Bulletin*, **2015**, 48, 85-92	1.6	14
111	Fibrous AuPt bimetallic nanocatalyst with enhanced catalytic performance. *RSC Advances*, **2016**, 6, 27696-27705	3.7	14
110	The Influence of Gold Nanoparticles on Simultaneous Determination of Uric Acid and Ascorbic Acid. *Analytical Letters*, **2009**, 43, 22-33	2.2	13
109	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	5.1	13
108	Preparation of Indium Tin Oxide Nanoparticle-modified 3-Aminopropyltrimethoxysilane-functionalized Indium Tin Oxide Electrode for Electrochemical Sulfide Detection. *Electroanalysis*, **2017**, 29, 1683-1690	3	12
107	Laser stimulated electrooptics in the Ag–ZnO nanorods. *Physica E: Low-Dimensional Systems and Nanostructures*, **2014**, 61, 23-27	3	12
106	The Initial Transformation Mechanism of Gold Seeds on Indium Tin Oxide Surfaces. *Crystal Growth and Design*, **2008**, 8, 863-868	3.5	12
105	Effects of Capping Reagents on the Electron Transfer Reactions on Gold Nanoparticle-Attached Indium Tin Oxide Electrodes. *Electroanalysis*, **2007**, 19, 847-852	3	12
104	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	3.9	12
103	Apparent acid–base reaction between the N,N-dimethyl-p-toluidine cation radical and the neutral molecule in acetonitrile. *Electrochemistry Communications*, **2002**, 4, 110-114	5.1	12
102	Electron-Transfer Stopped-Flow Method: Its Validity for Spectrochemical Analysis of Electrogenerated Cation Radicals. *Journal of the Electrochemical Society*, **2002**, 149, E12	3.9	12
101	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		12
100	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	2.3	12
99	Nonlinear optical features of 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	3	11
98	Laser induced microrelief superstructure of Ag/ITO seed-mediated nanocomposites. *Superlattices and Microstructures*, **2009**, 46, 637-644	2.8	11
97	Electrochemiluminescent behaviors of alkaloids and tris(2,2'-bipyridine) ruthenium in organically modified silicate film. *Talanta*, **2006**, 70, 104-10	6.2	11
96	Pd nanoparticles as new materials for acoustically induced non-linear optics. *Physica E: Low-Dimensional Systems and Nanostructures*, **2006**, 35, 121-125	3	11

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94	Selective measurement of resonance Raman and absorption spectra of different charged species produced in the electrooxidation of N,N?-dimethyl-N,N?-diphenylbenzidine by means of a column electrolytic continuous-flow method. *Vibrational Spectroscopy*, **1991**, 1, 329-338	2.1	11
93	Recent nanoarchitectures in metal nanoparticle-graphene nanocomposite modified electrodes for electroanalysis. *Analytical Sciences*, **2014**, 30, 529-38	1.7	10
92	Synthesis of Palladium Nanoparticles on Citrate-functionalized Graphene Oxide with High Catalytic Activity for 4-Nitrophenol Reduction. *Chemistry Letters*, **2014**, 43, 919-921	1.7	10
91	Determination of methylprednisolone acetate in biological fluids at gold nanoparticles modified ITO electrode. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 44, 1147-53	3.5	10
90	Photo-conversion and evolution of one-dimensional Cu nanoparticles under femtosecond laser irradiation. *Applied Surface Science*, **2008**, 254, 4992-4998	6.7	10
89	Hierarchical Bimetallic AgPt Nanoferns as High-Performance Catalysts for Selective Acetone Hydrogenation to Isopropanol. *ACS Omega*, **2018**, 3, 11526-11536	3.9	10
88	Surface observation for seed-mediated growth attachment of gold nanoparticles on a glassy carbon substrate. *Analytical Sciences*, **2009**, 25, 249-53	1.7	9
87	Tunable electrochemical properties of liquid phase deposited TiO2 films. *Journal of Applied Electrochemistry*, **2008**, 38, 1421-1426	2.6	9
86	Kinetics of photoinduced changes in Ag nanoparticles deposited on an indium tin oxide surface. *Philosophical Magazine Letters*, **2005**, 85, 549-556	1	9
85	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	4.1	9
84	Acoustical circularly polarized gyration in the Au nanoparticles on the ITO. *Physica E: Low-Dimensional Systems and Nanostructures*, **2005**, 28, 178-184	3	9
83	Formation of □excimer or □exciplex in electrogenerated chemiluminescence involving perylene molecule revealed using a dual-electrolysis stopped-flow method. *Electrochemistry Communications* , **2000**, 2, 363-366	5.1	9
82	Resonance Raman measurement of electrochemically generated short-lived 9,10-dihalogenoanthracene cation radicals. *Journal of Electroanalytical Chemistry and Interfacial Electrochemistry*, **1991**, 297, 557-563		9
81	Influence of Al-doped ZnO and Ga-doped ZnO substrates on third harmonic generation of gold nanoparticles. *Physica E: Low-Dimensional Systems and Nanostructures*, **2015**, 71, 91-95	3	8
80	Metal□rganic 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	8.5	8
79	Optical features of the gold nanoparticles deposited on ITO substrates. *Optics Communications*, **2011**, 284, 245-248	2	8
78	Circular acoustogyration effect on gold nanoparticles grown on indium tin oxide. *Applied Optics*, **2005**, 44, 6905-9	1.7	8

77	Kinetic Analysis of Reactions of p-Anisidine and N-Methyl-p-anisidine Cation Radicals in Acetonitrile Using an Electron-Transfer Stopped-Flow Method. *Journal of Physical Chemistry A*, **2004**, 108, 3980-3986	2.8	8
76	Electrochemical Analysis of Ion-Pair Formation Reactions Involving Organic Dianions Using Differential Pulse Voltammetry. *Electroanalysis*, **2001**, 13, 917-922	3	8
75	Direct observation of ion pair formation between 2,3-dichloro-5,6-dicyanobenzoquinone dianion and sodium ion. *Journal of the Chemical Society Chemical Communications*, **1995**, 1909		8
74	Palladium Deposition on Nickel Wire Electrodes by a Galvanic Replacement Reaction. *ACS Applied Energy Materials*, **2019**, 2, 2337-2343	6.1	7
73	Preparation of Gold Modified Nickel Wire Electrodes for Electroanalysis via a Galvanic Replacement Reaction. *Electroanalysis*, **2018**, 30, 1370-1377	3	7
72	Enhanced thermoelectric properties of bismuth telluride□organic hybrid films via graphene doping. *Applied Physics A: Materials Science and Processing*, **2016**, 122, 1	2.6	7
71	Pump-probe third harmonic generation kinetics of gold nanoparticle-attached aluminum-doped zinc oxide substrate. *Materials Letters*, **2012**, 74, 226-228	3.3	7
70	Tuning of nanostructures of gold nanoparticles on indium tin oxide surfaces using a seed-mediated growth method. *Journal of Electroanalytical Chemistry*, **2011**, 656, 264-268	4.1	7
69	Three Dimensional Monolayer of 3-Mercaptopropionic Acid Assembled on Gold Nanoparticles for Electrochemical Determination of Trace Cu(II). *Analytical Letters*, **2007**, 40, 2151-2160	2.2	7
68	Electron Transfer Kinetics at a Liquid Phase Deposited Mesoporous TiO2 Film Seeded with Gold Nanoparticles. *Electrochemical and Solid-State Letters*, **2005**, 8, E49-E52		7
67	Organic high-spin systems of oligoarylamines: Properties of tetraaryl-m-phenylendiamine oligocations as examined by electron transfer stopped-flow method. *Polyhedron*, **2005**, 24, 2116-2120	2.7	7
66	Substituent Effect on Ion Pair Formation Reactions Between 1,4-Benzoquinone Derivative Anion Radicals and Metal Cations. *Electroanalysis*, **2000**, 12, 1373-1378	3	7
65	Surface functionalization by silver-containing molecules with controlled distribution of functionalities. *Applied Surface Science*, **2019**, 481, 433-436	6.7	6
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