

Tetsu Tatsuma

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239
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241
ext. papers

13,422
ext. citations

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L-index

#	Paper	IF	Citations
239	Mechanisms and applications of plasmon-induced charge separation at TiO ₂ films loaded with gold nanoparticles. <i>Journal of the American Chemical Society</i> , 2005 , 127, 7632-7	16.4	1675
238	Multicolour photochromism of TiO ₂ films loaded with silver nanoparticles. <i>Nature Materials</i> , 2003 , 2, 29-31	27	566
237	Dimercaptan-polyaniline composite electrodes for lithium batteries with high energy density. <i>Nature</i> , 1995 , 373, 598-600	50.4	445
236	Plasmon-induced photoelectrochemistry at metal nanoparticles supported on nanoporous TiO ₂ . <i>Chemical Communications</i> , 2004 , 1810-1	5.8	393
235	Degradation of bisphenol A in water by TiO ₂ photocatalyst. <i>Environmental Science & Technology</i> , 2001 , 35, 2365-8	10.3	342
234	TiO ₂ films loaded with silver nanoparticles: control of multicolor photochromic behavior. <i>Journal of the American Chemical Society</i> , 2004 , 126, 3664-8	16.4	305
233	TiO ₂ /WO ₃ Photoelectrochemical Anticorrosion System with an Energy Storage Ability. <i>Chemistry of Materials</i> , 2001 , 13, 2838-2842	9.6	287
232	17 beta-estradiol degradation by TiO ₂ photocatalysis as a means of reducing estrogenic activity. <i>Environmental Science & Technology</i> , 2002 , 36, 4175-81	10.3	232
231	Photoelectrochemical Anticorrosion and Self-Cleaning Effects of a TiO ₂ Coating for Type 304 Stainless Steel. <i>Journal of the Electrochemical Society</i> , 2001 , 148, B24	3.9	204
230	Energy Storage of TiO ₂ /WO ₃ Photocatalysis Systems in the Gas Phase. <i>Langmuir</i> , 2002 , 18, 7777-7779	4	200
229	Photovoltaic properties of glutathione-protected gold clusters adsorbed on TiO ₂ electrodes. <i>Advanced Materials</i> , 2010 , 22, 3185-8	24	186
228	Electron transport in silver-semiconductor nanocomposite films exhibiting multicolor photochromism. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 3851-5	3.6	170
227	Morphological Changes and Multicolor Photochromism of Ag Nanoparticles Deposited on Single-crystalline TiO ₂ Surfaces. <i>Advanced Materials</i> , 2007 , 19, 2802-2806	24	158
226	Enzyme monolayer- and bilayer-modified tin oxide electrodes for the determination of hydrogen peroxide and glucose. <i>Analytical Chemistry</i> , 1989 , 61, 2352-2355	7.8	154
225	Plasmon-induced charge separation: chemistry and wide applications. <i>Chemical Science</i> , 2017 , 8, 3325-3337	33.7	151
224	Remote Bleaching of Methylene Blue by UV-Irradiated TiO ₂ in the Gas Phase. <i>Journal of Physical Chemistry B</i> , 1999 , 103, 8033-8035	3.4	146
223	Size effects of gold nanoparticles on plasmon-induced photocurrents of gold-TiO ₂ nanocomposites. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 5417-20	3.6	142

222	Remote Oxidation of Organic Compounds by UV-Irradiated TiO ₂ via the Gas Phase. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 6987-6992	3.4	139
221	Peroxidase-incorporated polypyrrole membrane electrodes. <i>Analytical Chemistry</i> , 1992 , 64, 1183-1187	7.8	123
220	Self-sterilizing and self-cleaning of silicone catheters coated with TiO ₂ photocatalyst thin films: a preclinical work. <i>Journal of Biomedical Materials Research Part B</i> , 2001 , 58, 97-101		121
219	Tyrosinase-modified boron-doped diamond electrodes for the determination of phenol derivatives. <i>Journal of Electroanalytical Chemistry</i> , 2002 , 523, 86-92	4.1	120
218	Introduction of Oxygen-Containing Functional Groups onto Diamond Electrode Surfaces by Oxygen Plasma and Anodic Polarization. <i>Electrochemical and Solid-State Letters</i> , 1999 , 2, 522		119
217	Adsorption, immobilization, and hybridization of DNA studied by the use of quartz crystal oscillators. <i>Analytical Chemistry</i> , 1993 , 65, 1925-1927	7.8	119
216	Shape-controlled electrodeposition of gold nanostructures. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23478-81	3.4	118
215	Bactericidal effect of an energy storage TiO ₂ /WO ₃ photocatalyst in dark. <i>Electrochemistry Communications</i> , 2003 , 5, 793-796	5.1	118
214	Efficiency Enhancement of PbS Quantum Dot/ZnO Nanowire Bulk-Heterojunction Solar Cells by Plasmonic Silver Nanocubes. <i>ACS Nano</i> , 2015 , 9, 4165-72	16.7	114
213	Solid state photovoltaic cells based on localized surface plasmon-induced charge separation. <i>Applied Physics Letters</i> , 2011 , 99, 182110	3.4	103
212	Mechanisms of photocatalytic remote oxidation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16034-5	16.4	101
211	Super-hydrophobic/super-hydrophilic patterning of gold surfaces by photocatalytic lithography. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1523		100
210	Plasmon-resonance-based generation of cathodic photocurrent at electrodeposited gold nanoparticles coated with TiO ₂ films. <i>ChemPhysChem</i> , 2009 , 10, 766-9	3.2	99
209	Surface carbonyl groups on oxidized diamond electrodes. <i>Journal of Electroanalytical Chemistry</i> , 2000 , 492, 31-37	4.1	96
208	Peroxidase model electrodes: heme peptide modified electrodes as reagentless sensors for hydrogen peroxide. <i>Analytical Chemistry</i> , 1991 , 63, 1580-5	7.8	96
207	Charge/discharge behavior of TiO ₂ /WO ₃ photocatalysis systems with energy storage ability. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 3234-3237	3.6	89
206	Inhibition effect of covalently cross-linked gel electrolytes on lithium dendrite formation. <i>Electrochimica Acta</i> , 2001 , 46, 1201-1205	6.7	88
205	UV-Light-Induced Swelling and Visible-Light-Induced Shrinking of a TiO ₂ -Containing Redox Gel. <i>Advanced Materials</i> , 2007 , 19, 1249-1251	24	86

204	Oxidase/peroxidase bilayer-modified electrodes as sensors for lactate, pyruvate, cholesterol and uric acid. <i>Analytica Chimica Acta</i> , 1991 , 242, 85-89	6.6	86
203	Plasmonic manipulation of color and morphology of single silver nanospheres. <i>Nano Letters</i> , 2012 , 12, 5418-21	11.5	85
202	Nanoimaging of localized plasmon-induced charge separation. <i>Chemical Communications</i> , 2011 , 47, 5777-5798	5.8	83
201	Switchable rewritability of Ag-TiO ₂ nanocomposite films with multicolor photochromism. <i>Chemical Communications</i> , 2005 , 1288-90	5.8	83
200	Localized surface plasmon resonance sensors based on wavelength-tunable spectral dips. <i>Nanoscale</i> , 2014 , 6, 2397-405	7.7	81
199	An Organosulfur Polymer Cathode with a High Current Capability for Rechargeable Batteries. <i>Journal of the Electrochemical Society</i> , 1996 , 143, 3152-3157	3.9	80
198	Enhancement of Dye-Sensitized Photocurrents by Gold Nanoparticles: Effects of Plasmon Coupling. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 5901-5907	3.8	79
197	Energy storage TiO ₂ /MoO ₃ photocatalysts. <i>Electrochimica Acta</i> , 2004 , 49, 2025-2029	6.7	79
196	Hydroxyl Groups on Boron-Doped Diamond Electrodes and Their Modification with a Silane Coupling Agent. <i>Electrochemical and Solid-State Letters</i> , 2001 , 4, H1		79
195	Patterning of Solid Surfaces by Photocatalytic Lithography Based on the Remote Oxidation Effect of TiO ₂ . <i>Langmuir</i> , 2002 , 18, 9632-9634	4	79
194	Dimercaptan-Polyaniline Cathodes for Lithium Batteries: Addition of a Polypyrrole Derivative for Rapid Charging. <i>Journal of the Electrochemical Society</i> , 1995 , 142, L182-L184	3.9	79
193	Chiral Plasmonic Nanostructures Fabricated by Circularly Polarized Light. <i>Nano Letters</i> , 2018 , 18, 3209-3215	11.5	74
192	Oxidative energy storage ability of a TiO ₂ -Ni(OH) ₂ bilayer photocatalyst. <i>Langmuir</i> , 2005 , 21, 12357-61	4	69
191	Multichannel quartz crystal microbalance. <i>Analytical Chemistry</i> , 1999 , 71, 3632-6	7.8	67
190	Electrodeposition of thermally stable gold and silver nanoparticle ensembles through a thin alumina nanomask. <i>Nanoscale</i> , 2010 , 2, 1494-9	7.7	65
189	Mechanisms and Resolution of Photocatalytic Lithography. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3005-3009	3.4	65
188	Inhibition effects of polyacrylonitrile gel electrolytes on lithium dendrite formation. <i>Journal of Electroanalytical Chemistry</i> , 1999 , 472, 142-146	4.1	64
187	Photoelectrochemical analysis of size-dependent electronic structures of gold clusters supported on TiO ₂ . <i>Nanoscale</i> , 2012 , 4, 4217-21	7.7	63

186	Electrodeposition of gold nanoparticles on ITO: Control of morphology and plasmon resonance-based absorption and scattering. <i>Journal of Electroanalytical Chemistry</i> , 2009 , 628, 7-15	4.1	63
185	In Situ Nanoimaging of Photoinduced Charge Separation at the Plasmonic Au Nanoparticle-TiO ₂ Interface. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1400066	4.6	61
184	Photoinduced reversible changes in morphology of plasmonic Ag nanorods on TiO ₂ and application to versatile photochromism. <i>Chemical Communications</i> , 2012 , 48, 1733-5	5.8	60
183	Detection of H ₂ O ₂ released from TiO ₂ photocatalyst to air. <i>Analytical Sciences</i> , 2004 , 20, 591-3	1.7	59
182	Enhancement of dye-sensitized photocurrents by gold nanoparticles: effects of dye-particle spacing. <i>Nanoscale</i> , 2011 , 3, 2865-7	7.7	57
181	Compact amperometric algal biosensors for the evaluation of water toxicity. <i>Analytica Chimica Acta</i> , 2005 , 530, 191-197	6.6	56
180	Visible light-induced photocatalysts with reductive energy storage abilities. <i>Electrochemistry Communications</i> , 2008 , 10, 1404-1407	5.1	55
179	Peroxidase-incorporated sulfonated polyaniline polycation complexes for electrochemical sensing of H ₂ O ₂ . <i>Journal of Electroanalytical Chemistry</i> , 2001 , 501, 180-185	4.1	54
178	Photocatalysis of Au ₂₅ -modified TiO ₂ under visible and near infrared light. <i>Electrochemistry Communications</i> , 2010 , 12, 996-999	5.1	52
177	Cathode-Separated TiO ₂ Photocatalysts Applicable to a Photochromic Device Responsive to Backside Illumination. <i>Chemistry of Materials</i> , 2004 , 16, 1165-1167	9.6	51
176	Photocatalytic remote oxidation with various photocatalysts and enhancement of its activity. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3104		50
175	Layer-by-layer assembly of gold nanoparticles with titania nanosheets: control of plasmon resonance and photovoltaic properties. <i>Journal of Materials Chemistry</i> , 2010 , 20, 4371		49
174	Enzyme electrodes mediated by a thermoshinking redox polymer. <i>Analytical Chemistry</i> , 1994 , 66, 1002-1006		49
173	Site-Selective Plasmonic Etching of Silver Nanocubes. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4363-4368	4.3	48
172	Electrochemical characterization of polypyrrole bienzyme electrodes with glucose oxidase and peroxidase. <i>Journal of Electroanalytical Chemistry</i> , 1993 , 356, 245-253	4.1	48
171	Effects of adsorbed water on plasmon-based dissolution, redeposition and resulting spectral changes of Ag nanoparticles on single-crystalline TiO ₂ . <i>Physical Chemistry Chemical Physics</i> , 2008 , 10, 2263-9	3.6	47
170	Visible-light-induced patterning of Au- and Ag-TiO ₂ nanocomposite film surfaces on the basis of plasmon photoelectrochemistry. <i>Photochemical and Photobiological Sciences</i> , 2005 , 4, 598-601	4.2	47
169	Electron transfer from diamond electrodes to heme peptide and peroxidase. <i>Analytical Chemistry</i> , 2000 , 72, 2919-24	7.8	47

168	Plasmonic Photoelectrochemistry: Functional Materials Based on Photoinduced Reversible Redox Reactions of Metal Nanoparticles. <i>Bulletin of the Chemical Society of Japan</i> , 2013 , 86, 1-9	5.1	46
167	Morphologies and surface plasmon resonance properties of monodisperse bumpy gold nanoparticles. <i>Langmuir</i> , 2008 , 24, 5849-54	4	46
166	Plasmon resonance-based photoelectrochemical tailoring of spectrum, morphology and orientation of Ag nanoparticles on TiO ₂ single crystals. <i>Journal of Materials Chemistry</i> , 2009 , 19, 5526		44
165	A Redox Gel. Electrochemically Controllable Phase Transition and Thermally Controllable Electrochemistry. <i>Macromolecules</i> , 1994 , 27, 6687-6689	5.5	44
164	Potential-Scanning Localized Surface Plasmon Resonance Sensor. <i>ACS Nano</i> , 2015 , 9, 6214-21	16.7	42
163	Photoelectrochemical Responses from Polymer-coated Plasmonic Copper Nanoparticles on TiO ₂ . <i>Chemistry Letters</i> , 2012 , 41, 1340-1342	1.7	41
162	Bifunctional Langmuir-Blodgett film for enzyme immobilization and amperometric biosensor sensitization. <i>Thin Solid Films</i> , 1991 , 202, 145-150	2.2	41
161	Model analysis of enzyme monolayer- and bilayer-modified electrodes: the steady-state response. <i>Analytical Chemistry</i> , 1992 , 64, 625-30	7.8	41
160	Substrate-purging enzyme electrodes. Peroxidase/catalase electrodes for H ₂ O ₂ with an improved upper sensing limit. <i>Analytical Chemistry</i> , 1994 , 66, 290-4	7.8	40
159	Electrochemical characterization of a thermoresponsive N-isopropylacrylamide-vinylferrocene copolymer film by the use of quartz crystal oscillators. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 10504-10508 ³⁹		
158	Electrochemical microgravimetry of fullerene (C ₆₀) films. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 12067-12072		38
157	Kinetic analysis of electron transfer from a graphite coating to horseradish peroxidase. <i>Journal of Electroanalytical Chemistry</i> , 1998 , 446, 205-209	4.1	37
156	Optimization of energy storage TiO ₂ /WO ₃ photocatalysts and further modification with phosphotungstic acid. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 573, 263-269	4.1	37
155	TiO ₂ -Phosphotungstic Acid Photocatalysis Systems with an Energy Storage Ability. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A1405	3.9	36
154	Potential-Scanning Localized Plasmon Sensing with Single and Coupled Gold Nanorods. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 3637-3641	6.4	35
153	Characterization of TiO ₂ Photocatalysis in the Gas Phase as a Photoelectrochemical System: Behavior of Salt-Modified Systems. <i>Journal of Physical Chemistry B</i> , 2001 , 105, 10016-10021	3.4	34
152	Reversible Electron Transfer Reaction between Polyaniline and Thiol/Disulfide Couples. <i>The Journal of Physical Chemistry</i> , 1996 , 100, 14016-14021		33
151	A redox actuator based on reversible formation of bond between poly(acrylic acid) gel and Cu ²⁺ ion. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 585, 120-127	4.1	32

150	Microstructured TiO ₂ Templates for the Preparation of Size-Controlled Bryopsis Protoplasts as Cell Models. <i>Advanced Materials</i> , 2000 , 12, 643-646	24	32
149	Photovoltaic properties of TiO ₂ loaded with glutathione-protected silver clusters. <i>Dalton Transactions</i> , 2013 , 42, 16162-5	4.3	31
148	Growth behaviour and plasmon resonance properties of photocatalytically deposited Cu nanoparticles. <i>Nanoscale</i> , 2011 , 3, 3641-5	7.7	31
147	H ₂ O ₂ -generating peroxidase electrodes as reagentless cyanide sensors. <i>Analytical Chemistry</i> , 1996 , 68, 1612-5	7.8	31
146	Model analysis of enzyme monolayer- and bilayer-modified electrodes: the transient response. <i>Analytical Chemistry</i> , 1992 , 64, 630-5	7.8	31
145	Wavelength- and efficiency-tunable plasmon-induced charge separation by the use of Au-Ag alloy nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 4042-6	3.6	30
144	Photoelectrochemical and Optical Behavior of Single Upright Ag Nanoplates on a TiO ₂ Film. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 1695-1701	3.8	30
143	CuS nanoplates for LSPR sensing in the second biological optical window. <i>Optical Materials Express</i> , 2016 , 6, 1043	2.6	29
142	Peroxidase model electrodes: sensing of imidazole derivatives with heme peptide-modified electrodes. <i>Analytical Chemistry</i> , 1992 , 64, 143-147	7.8	28
141	Plasmonic behaviour and plasmon-induced charge separation of nanostructured MoO under near infrared irradiation. <i>Nanoscale</i> , 2018 , 10, 2841-2847	7.7	27
140	Electrochemical Polymerization and Depolymerization of 2,5-Dimercapto-1,3,4-thiadiazole. QCM and Spectroscopic Analysis. <i>Journal of Physical Chemistry B</i> , 1997 , 101, 7556-7562	3.4	27
139	Three-dimensional motion and transformation of a photoelectrochemical actuator. <i>Chemical Communications</i> , 2006 , 2024-6	5.8	27
138	Photoelectrochemical Anticorrosion Effect of SrTiO ₃ for Carbon Steel. <i>Electrochemical and Solid-State Letters</i> , 2002 , 5, B9		27
137	Reactivation and Reduction of Electrochemically Inactivated Polyaniline by 2,5-Dimercapto-1,3,4-thiadiazole. <i>Journal of the Electrochemical Society</i> , 1995 , 142, L47-L49	3.9	27
136	Semitransparent Solar Cells with Ultrasoother and Low-Scattering Perovskite Thin Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28933-28938	3.8	27
135	Tunable plasmon resonance of molybdenum oxide nanoparticles synthesized in non-aqueous media. <i>Chemical Communications</i> , 2017 , 53, 12680-12683	5.8	26
134	Photoelectrochemical Analysis of Allowed and Forbidden Multipole Plasmon Modes of Polydisperse Ag Nanorods. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 2435-2441	3.8	26
133	Enhancement of PbS quantum dot-sensitized photocurrents using plasmonic gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20247-51	3.6	25

132	A transparent projection screen based on plasmonic Ag nanocubes. <i>Nanoscale</i> , 2015 , 7, 20365-8	7.7	25
131	Surface diffusion behavior of photo-generated active species or holes on TiO ₂ photocatalysts. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 4764	3.6	25
130	Asymmetric Three-Way Plasmonic Color Routers. <i>Advanced Optical Materials</i> , 2015 , 3, 883-887	8.1	24
129	Amperometric biosensing systems based on motility and gravitaxis of flagellate algae for aquatic risk assessment. <i>Analytical Chemistry</i> , 2005 , 77, 6715-8	7.8	24
128	Simultaneous determination of phenolic compounds by using a dual enzyme electrodes system. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 566, 379-384	4.1	24
127	Conversion of a solid surface from super-hydrophobic to super-hydrophilic by photocatalytic remote oxidation and photocatalytic lithography. <i>Applied Surface Science</i> , 2005 , 243, 125-128	6.7	24
126	Oxidation Ability of Plasmon-Induced Charge Separation Evaluated on the Basis of Surface Hydroxylation of Gold Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10771-5	16.4	24
125	Direct output of electrical signals from LSPR sensors on the basis of plasmon-induced charge separation. <i>Chemical Communications</i> , 2015 , 51, 6100-3	5.8	23
124	Stable spectral dip formation and multicolour changes of plasmonic gold nanoparticles on TiO ₂ . <i>Chemical Communications</i> , 2013 , 49, 606-8	5.8	23
123	Photocatalytic growth and plasmon resonance-assisted photoelectrochemical toppling of upright Ag nanoplates on a nanoparticulate TiO ₂ film. <i>Chemical Communications</i> , 2009 , 3621-3	5.8	23
122	Remote energy storage in Ni(OH) ₂ with TiO ₂ photocatalyst. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2716-9	3.6	23
121	Plasmonic hole ejection involved in plasmon-induced charge separation. <i>Nanoscale Horizons</i> , 2020 , 5, 597-606	10.8	23
120	Visible light driven photocatalysts with oxidative energy storage abilities. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2288-2293		22
119	Sensitization of TiO ₂ with Pt, Pd, and Au clusters protected by mercapto- and dimercaptosuccinic acid. <i>ChemPhysChem</i> , 2011 , 12, 2415-8	3.2	22
118	Self-wiring from tyrosinase to an electrode with redox polymers. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 572, 15-19	4.1	22
117	Photoinduced Chirality Switching of Metal-Inorganic Plasmonic Nanostructures. <i>ACS Nano</i> , 2020 , 14, 3603-3609	16.7	21
116	Gold cluster-nanoparticle diad systems for plasmonic enhancement of photosensitization. <i>Nanoscale</i> , 2013 , 5, 7855-60	7.7	21
115	Enzyme monolayer- and bilayer-modified electrodes with diaphorase and dehydrogenases. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1991 , 310, 149-157		21

114	Local trapping of energetic holes at gold nanoparticles on TiO. <i>Chemical Communications</i> , 2018 , 54, 11744-11744	4.1	20
113	Semi-transparent Perovskite Solar Cells Developed by Considering Human Luminosity Function. <i>Scientific Reports</i> , 2017 , 7, 10699	4.9	20
112	Peroxidase-modified cup-stacked carbon nanofiber networks for electrochemical biosensing with adjustable dynamic range. <i>RSC Advances</i> , 2012 , 2, 1444-1449	3.7	20
111	Bi- and Uniaxially Oriented Growth and Plasmon Resonance Properties of Anisotropic Ag Nanoparticles on Single Crystalline TiO ₂ Surfaces. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 4758-4762	3.8	20
110	Electrochemical/Piezoelectric dual-response biosensor for heme ligands. <i>Analytical Chemistry</i> , 1997 , 69, 887-93	7.8	20
109	X-ray induced photoelectrochemistry on TiO ₂ . <i>Electrochimica Acta</i> , 2007 , 52, 6938-6942	6.7	20
108	Electron Transfer from a Polythiophene Derivative to Compounds I and II of Peroxidases. <i>Analytical Chemistry</i> , 1995 , 67, 283-287	7.8	20
107	Photoelectrochromic cell with a Ag/TiO ₂ nanocomposite: Concepts of drawing and display modes. <i>Electrochemistry Communications</i> , 2007 , 9, 574-576	5.1	19
106	Protective effect of TiO ₂ particles on UV light induced pyrimidine dimer formation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001 , 141, 225-230	4.7	19
105	Mechanistic Analysis of Plasmon-Induced Charge Separation by the Use of Chemically Synthesized Gold Nanorods. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 2330-2335	3.8	18
104	One-step synthesis of glutathione-protected metal (Au, Ag, Cu, Pd, and Pt) cluster powders. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 5915	13	18
103	Photocatalytic Remote Oxidation Induced by Visible Light. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18270-18274	3.8	18
102	Disposable test plates with tyrosinase and α -glucosidases for cyanide and cyanogenic glycosides. <i>Analytica Chimica Acta</i> , 2000 , 408, 233-240	6.6	18
101	Electrochemical redox-based tuning of near infrared localized plasmons of CuS nanoplates. <i>Nanoscale</i> , 2016 , 8, 14092-6	7.7	17
100	Metal Oxides and Hydroxides as Rechargeable Materials for Photocatalysts with Oxidative Energy Storage Abilities. <i>Electrochemistry</i> , 2014 , 82, 749-751	1.2	17
99	Plasmonic Control and Stabilization of Asymmetric Light Scattering from Ag Nanocubes on TiO. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 11064-11072	9.5	16
98	Hydrogen evolution from water based on plasmon-induced charge separation at a TiO/Au/NiO/Pt system. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 31429-31435	3.6	16
97	Photocurrent Enhancement of Perovskite Solar Cells at the Absorption Edge by Electrode-Coupled Plasmons of Silver Nanocubes. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 11693-11699	3.8	15

96	Direct Electron Transfer Kinetics of Peroxidase at Edge Plane Sites of Cup-Stacked Carbon Nanofibers and Their Comparison with Single-Walled Carbon Nanotubes. <i>Langmuir</i> , 2016 , 32, 9163-70	4	15
95	Plasmon-induced oxidation of gold nanoparticles on TiO ₂ in the presence of ligands. <i>Dalton Transactions</i> , 2013 , 42, 15937-40	4.3	15
94	Organosulfur polymer batteries with high energy density. <i>Journal of Power Sources</i> , 1997 , 68, 135-138	8.9	15
93	Control of heme peptide activity by using phase transition polymers modified with inhibitors. <i>Bioelectrochemistry</i> , 2005 , 65, 129-34	5.6	15
92	Controlled direct electron transfer kinetics of fructose dehydrogenase at cup-stacked carbon nanofibers. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 27795-27800	3.6	14
91	Activity regulation of tyrosinase by using photoisomerizable inhibitors. <i>Journal of Biotechnology</i> , 2004 , 108, 11-6	3.7	14
90	Electrochemical intercalation of cations into an amorphous WO ₃ film and accompanying changes in mass and surface properties. <i>Journal of Electroanalytical Chemistry</i> , 1995 , 387, 71-77	4.1	14
89	Peroxidase-incorporated hydrophilic polythiophene electrode for the determination of hydrogen peroxide in acetonitrile. <i>Analytica Chimica Acta</i> , 1996 , 318, 297-301	6.6	14
88	Linamarin sensors: amperometric sensing of linamarin using linamarase and glucose oxidase. <i>Journal of Electroanalytical Chemistry</i> , 1996 , 407, 155-159	4.1	14
87	Photoregulated Nanopore Formation via Plasmon-Induced Dealloying of AuAg Alloy Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 2473-2480	3.8	13
86	Plasmonic Photovoltaic Cells with Dual-Functional Gold, Silver, and Copper Half-Shell Arrays. <i>Langmuir</i> , 2017 , 33, 8976-8981	4	13
85	Algal biosensor array on a single electrode. <i>Analyst, The</i> , 2009 , 134, 223-5	5	13
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