

Tetsu Tatsuma

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

239
papers

12,709
citations

57
h-index

105
g-index

241
ext. papers

13,422
ext. citations

6.2
avg, IF

6.75
L-index

#	Paper	IF	Citations
239	Plasmon-Induced Photocatalysis Based on Pt/Au Coupling with Enhanced Oxidation Abilities. <i>ACS Applied Nano Materials</i> , 2022 , 5, 4406-4412	5.6	0
238	Visualization of nano-localized and delocalized oxidation sites for plasmon-induced charge separation. <i>Nanoscale</i> , 2021 , 13, 681-684	7.7	2
237	Plasmon-induced charge separation based on a nanocomposite containing MoO ₂ under visible light irradiation. <i>Journal of Materials Chemistry C</i> , 2021 , 9, 6395-6398	7.1	0
236	Photoinduced Chirality Switching of Metal-Inorganic Plasmonic Nanostructures. <i>ACS Nano</i> , 2020 , 14, 3603-3609	16.7	21
235	A Dual Plasmonic Photoelectrode System for Visible-Light Photocatalysis. <i>ChemNanoMat</i> , 2020 , 6, 529-533	3.5	1
234	Plasmonic hole ejection involved in plasmon-induced charge separation. <i>Nanoscale Horizons</i> , 2020 , 5, 597-606	10.8	23
233	Plasmon-Induced Charge Separation Through Asymmetric Plasmon Coupling. <i>Journal of Physical Chemistry C</i> , 2020 , 124, 23454-23459	3.8	4
232	Laser Printing of Translucent Plasmonic Full-Color Images with Transmission-Scattering Dichroism of Silver Nanoparticles. <i>ACS Applied Nano Materials</i> , 2020 , 3, 2472-2479	5.6	13
231	Controlling the oxidation state of molybdenum oxide nanoparticles prepared by ionic liquid/metal sputtering to enhance plasmon-induced charge separation.. <i>RSC Advances</i> , 2020 , 10, 28516-28522	3.7	8
230	Visible-Light-Driven Plasmonic Photocatalysis Enhanced by Charge Accumulation. <i>ChemNanoMat</i> , 2019 , 5, 1021-1027	3.5	4
229	Electrochemical modulation of plasmon-induced charge separation behaviour at Au-TiO photocathodes. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1727-1731	4.2	3
228	Silver Nanotowers: Lift-Up Architecture and Plasmonic Applications. <i>ACS Applied Nano Materials</i> , 2019 , 2, 2121-2126	5.6	
227	Full-Color Scattering Based on Plasmon and Mie Resonances of Gold Nanoparticles Modulated by Fabry-Pot Interference for Coloring and Image Projection. <i>ACS Applied Nano Materials</i> , 2019 , 2, 5071-5078	5.6	7
226	Accelerated site-selective photooxidation on Au nanoparticles via electrochemically-assisted plasmonic hole ejection. <i>Nanoscale</i> , 2019 , 11, 19455-19461	7.7	9
225	Plasmon-induced charge separation at the interface between ITO nanoparticles and TiO under near-infrared irradiation. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5674-5678	3.6	5
224	Stepwise Injection of Energetic Electrons and Holes in Plasmon-Induced Charge Separation. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 30562-30570	3.8	9
223	Chiral Plasmonic Nanostructures Fabricated by Circularly Polarized Light. <i>Nano Letters</i> , 2018 , 18, 3209-3213	12.5	74

222	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
221	Plasmonic behaviour and plasmon-induced charge separation of nanostructured MoO under near infrared irradiation. <i>Nanoscale</i> , 2018 , 10, 2841-2847	7.7	27
220	Effects of particle size and annealing on plasmon-induced charge separation at self-assembled gold nanoparticle arrays. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 3735-3740	3.6	12
219	Local trapping of energetic holes at gold nanoparticles on TiO. <i>Chemical Communications</i> , 2018 , 54, 11741-11744	5.1	14
218	Effect of Plasmon Coupling on Quantum Efficiencies of Plasmon-Induced Charge Separation. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 26153-26159	3.8	11
217	Plasmonic-Diffractive Hybrid Sensors Based on a Gold Nanoprism Array. <i>ACS Applied Nano Materials</i> , 2018 , 1, 5994-5999	5.6	7
216	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
215	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
214	Plasmon-induced charge separation: chemistry and wide applications. <i>Chemical Science</i> , 2017 , 8, 3325-3337	9.4	151
213	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
212	Two-Dimensional Arrays of Au Halfshells with Different Sizes for Plasmon-Induced Charge Separation. <i>ChemistrySelect</i> , 2017 , 2, 3744-3749	1.8	5
211	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
210	Plasmonic Photovoltaic Cells with Dual-Functional Gold, Silver, and Copper Half-Shell Arrays. <i>Langmuir</i> , 2017 , 33, 8976-8981	4	13
209	Semi-transparent Perovskite Solar Cells Developed by Considering Human Luminosity Function. <i>Scientific Reports</i> , 2017 , 7, 10699	4.9	20
208	Photoassisted bottom-up construction of plasmonic nanocity. <i>Nanoscale</i> , 2017 , 9, 18624-18628	7.7	3
207	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
206	Tunable plasmon resonance of molybdenum oxide nanoparticles synthesized in non-aqueous media. <i>Chemical Communications</i> , 2017 , 53, 12680-12683	5.8	26
205	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

204	Enhancement of plasmon-induced charge separation efficiency by coupling silver nanocubes with a thin gold film. <i>Journal of Photonics for Energy</i> , 2016 , 6, 042505	1.2	1
203	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
202	Backward-scattering-based Localized Surface Plasmon Resonance Sensors with Gold Nanospheres and Nanoshells. <i>Analytical Sciences</i> , 2016 , 32, 271-4	1.7	8
201	Control of Asymmetric Scattering Behavior of Plasmonic Nanoparticle Ensembles. <i>ACS Photonics</i> , 2016 , 3, 1782-1786	6.3	9
200	Colorimetric Detection of an Airborne Remote Photocatalytic Reaction Using a Stratified Ag Nanoparticle Sheet. <i>Langmuir</i> , 2016 , 32, 8154-62	4	3
199	Oxidation of multicarbon compounds to CO by photocatalysts with energy storage abilities. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 31441-31445	3.6	10
198	Site-Selective Plasmonic Etching of Silver Nanocubes. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 4363-4368	4.8	48
197	Electrochemical redox-based tuning of near infrared localized plasmons of CuS nanoplates. <i>Nanoscale</i> , 2016 , 8, 14092-6	7.7	17
196	Asymmetric optical properties of photocatalytically deposited plasmonic silver nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 7007-10	3.6	6
195	Calculation and fabrication of two-dimensional complete photonic bandgap structures composed of rutile TiO ₂ single crystals in air/liquid. <i>Journal of Materials Science</i> , 2016 , 51, 1066-1073	4.3	5
194	Semitransparent Solar Cells with Ultrasmooth and Low-Scattering Perovskite Thin Films. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 28933-28938	3.8	27
193	CuS nanoplates for LSPR sensing in the second biological optical window. <i>Optical Materials Express</i> , 2016 , 6, 1043	2.6	29
192	Oxygenated Cup-Stacked Carbon Nanofibers/TiO ₂ Composite Films with Enhanced Photocatalytic Currents. <i>Bulletin of the Chemical Society of Japan</i> , 2016 , 89, 603-607	5.1	3
191	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
190	Oxidation Ability of Plasmon-Induced Charge Separation Evaluated on the Basis of Surface Hydroxylation of Gold Nanoparticles. <i>Angewandte Chemie</i> , 2016 , 128, 10929-10933	3.6	5
189	Branched Au Nanoparticles as Light-Harvesting Antennae for Photosensitized Reactions. <i>ChemNanoMat</i> , 2016 , 2, 74-78	3.5	3
188	Photoelectrochemical etching and energy gap control of silver clusters. <i>Nanoscale</i> , 2015 , 7, 14237-40	7.7	10
187	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

186	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
185	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
184	Asymmetric Three-Way Plasmonic Color Routers. <i>Advanced Optical Materials</i> , 2015 , 3, 883-887	8.1	24
183	Plasmon-induced charge separation at two-dimensional gold semishell arrays on SiO ₂ @TiO ₂ colloidal crystals. <i>APL Materials</i> , 2015 , 3, 104406	5.7	6
182	Potential-Scanning Localized Surface Plasmon Resonance Sensor. <i>ACS Nano</i> , 2015 , 9, 6214-21	16.7	42
181	A transparent projection screen based on plasmonic Ag nanocubes. <i>Nanoscale</i> , 2015 , 7, 20365-8	7.7	25
180	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
179	Localized surface plasmon resonance sensors based on wavelength-tunable spectral dips. <i>Nanoscale</i> , 2014 , 6, 2397-405	7.7	81
178	Electrochemical properties of oxygenated cup-stacked carbon nanofiber-modified electrodes. <i>Physical Chemistry Chemical Physics</i> , 2014 , 16, 12209-13	3.6	12
177	Photoelectrochemical synthesis, optical properties and plasmon-induced charge separation behaviour of gold nanodumbbells on TiO ₂ . <i>Nanoscale</i> , 2014 , 6, 14543-8	7.7	9
176	Gold cluster/titanium dioxide heterojunction photovoltaic cell. <i>Applied Physics Letters</i> , 2014 , 105, 083113.4	3.4	6
175	Metal Oxides and Hydroxides as Rechargeable Materials for Photocatalysts with Oxidative Energy Storage Abilities. <i>Electrochemistry</i> , 2014 , 82, 749-751	1.2	17
174	Metal and Metal Oxide Nanoparticles for Photoelectrochemical Materials and Devices. <i>Electrochemistry</i> , 2014 , 82, 726-729	1.2	3
173	Photoinduced Multiple Spectral Changes of Single Plasmonic Gold Nanospheres by the Aid of Coordination. <i>Chemistry Letters</i> , 2014 , 43, 931-933	1.7	12
172	Angled etching of (001) rutile Nb ₂ O ₅ substrate using SF ₆ -based capacitively coupled plasma reactive ion etching. <i>Japanese Journal of Applied Physics</i> , 2014 , 53, 06JF02	1.4	5
171	Gold cluster-nanoparticle diad systems for plasmonic enhancement of photosensitization. <i>Nanoscale</i> , 2013 , 5, 7855-60	7.7	21
170	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
169	Photovoltaic properties of TiO ₂ loaded with glutathione-protected silver clusters. <i>Dalton Transactions</i> , 2013 , 42, 16162-5	4.3	31

168	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
167	Enhancement of PbS quantum dot-sensitized photocurrents using plasmonic gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 20247-51	3.6	25
166	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
165	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
164	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
163	Preparation of Thin Poly(vinyl chloride) Films with Size-controlled Nanopores. <i>Chemistry Letters</i> , 2013 , 42, 966-968	1.7	1
162	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
161	Photoelectrochemical Responses from Polymer-coated Plasmonic Copper Nanoparticles on TiO ₂ . <i>Chemistry Letters</i> , 2012 , 41, 1340-1342	1.7	41
160	Size- and Shape-Controlled Electrochemical Deposition of Metal Nanoparticles by Tapping Mode Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 3995-3999	3.8	9
159	Plasmonic manipulation of color and morphology of single silver nanospheres. <i>Nano Letters</i> , 2012 , 12, 5418-21	11.5	85
158	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
157	Photoelectrochemical analysis of size-dependent electronic structures of gold clusters supported on TiO ₂ . <i>Nanoscale</i> , 2012 , 4, 4217-21	7.7	63
156	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
155	Photocatalytic Remote Oxidation Induced by Visible Light. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 18270-18274	3.8	18
154	Visible light driven photocatalysts with oxidative energy storage abilities. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2288-2293		22
153	Solid state photovoltaic cells based on localized surface plasmon-induced charge separation. <i>Applied Physics Letters</i> , 2011 , 99, 182110	3.4	103
152	Enhancement of dye-sensitized photocurrents by gold nanoparticles: effects of dye-particle spacing. <i>Nanoscale</i> , 2011 , 3, 2865-7	7.7	57
151	Nanoimaging of localized plasmon-induced charge separation. <i>Chemical Communications</i> , 2011 , 47, 5777-5788	5.8	83

150	Growth behaviour and plasmon resonance properties of photocatalytically deposited Cu nanoparticles. <i>Nanoscale</i> , 2011 , 3, 3641-5	7.7	31
149	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
148	Evaluation on potential for assessing indoor formaldehyde using biosensor system based on swimming behavior of Japanese medaka (<i>oryzias latipes</i>). <i>Building and Environment</i> , 2011 , 46, 849-854	6.5	9
147	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
146	Anisotropic light absorption by localized surface plasmon resonance in a thin film of gold nanoparticles studied by visible multiple-angle incidence resolution spectrometry. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 9691-6	3.6	7
145	Orientation-selective removal of upright Ag nanoplates from a TiO ₂ film. <i>Nanoscale</i> , 2011 , 3, 4101-3	7.7	8
144	Electrodeposition of thermally stable gold and silver nanoparticle ensembles through a thin alumina nanomask. <i>Nanoscale</i> , 2010 , 2, 1494-9	7.7	65
143	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
142	Ag nanoparticle sheet as a marker of lateral remote photocatalytic reactions. <i>Nanoscale</i> , 2010 , 2, 107-137.7		9
141	Oxidation of methanol and formaldehyde to CO ₂ by a photocatalyst with an energy storage ability. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 5166-70	3.6	13
140	Photovoltaic properties of glutathione-protected gold clusters adsorbed on TiO ₂ electrodes. <i>Advanced Materials</i> , 2010 , 22, 3185-8	24	186
139	Photocatalysis of Au ₂₅ -modified TiO ₂ under visible and near infrared light. <i>Electrochemistry Communications</i> , 2010 , 12, 996-999	5.1	52
138	Development of a micropatterned cell array with an integrated optical oxygen sensor. <i>Journal of Bioscience and Bioengineering</i> , 2009 , 108, S154	3.3	
137	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
136	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
135	Simultaneous evaluation of toxicities using a mammalian cell array chip prepared by photocatalytic lithography. <i>Analytica Chimica Acta</i> , 2009 , 653, 222-7	6.6	7
134	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
133	Algal biosensor array on a single electrode. <i>Analyst, The</i> , 2009 , 134, 223-5	5	13

132	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
131	A micropatterned cell array with an integrated oxygen-sensitive fluorescent membrane. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 1529-33	4.2	10
130	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
129	Morphologies and surface plasmon resonance properties of monodisperse bumpy gold nanoparticles. <i>Langmuir</i> , 2008 , 24, 5849-54	4	46
128	Biosensing of an indoor volatile organic compound on the basis of fungal growth. <i>Chemosphere</i> , 2008 , 72, 1286-91	8.4	9
127	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
126	Photocatalytic Deposition and Plasmon-Induced Dissolution of Metal Nanoparticles on TiO ₂ 2008 , 263-267		
125	Visible light-induced photocatalysts with reductive energy storage abilities. <i>Electrochemistry Communications</i> , 2008 , 10, 1404-1407	5.1	55
124	Microimaging of algal bioconvection by scanning electrochemical microscopy. <i>Analytical Chemistry</i> , 2007 , 79, 4237-40	7.8	13
123	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
122	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
121	X-ray induced photoelectrochemistry on TiO ₂ . <i>Electrochimica Acta</i> , 2007 , 52, 6938-6942	6.7	20
120	Photoelectrochromic cell with a Ag ₃ TiO ₂ nanocomposite: Concepts of drawing and display modes. <i>Electrochemistry Communications</i> , 2007 , 9, 574-576	5.1	19
119	Photocatalytic Lithography Based on Photocatalytic Remote Oxidation. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2007 , 20, 83-86	0.7	7
118	Three-dimensional motion and transformation of a photoelectrochemical actuator. <i>Chemical Communications</i> , 2006 , 2024-6	5.8	27
117	Electrodes modified with the phase transition polymer and heme peptide: biocatalysis and biosensing with tunable activity and dynamic range. <i>Langmuir</i> , 2006 , 22, 478-83	4	10
116	Shape-controlled electrodeposition of gold nanostructures. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 23478-81	3.4	118
115	Electrochemical system for the simultaneous monitoring of algal motility and phototaxis. <i>Analytical Chemistry</i> , 2006 , 78, 349-53	7.8	9

114	Mechanisms of photocatalytic remote oxidation. <i>Journal of the American Chemical Society</i> , 2006 , 128, 16034-5	16.4	101
113	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
112	Remote energy storage in Ni(OH) ₂ with TiO ₂ photocatalyst. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 2716-9	3.6	23
111	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
110	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
109	Electron transport in silver-semiconductor nanocomposite films exhibiting multicolor photochromism. <i>Physical Chemistry Chemical Physics</i> , 2005 , 7, 3851-5	3.6	170
108	Switchable rewritability of Ag-TiO ₂ nanocomposite films with multicolor photochromism. <i>Chemical Communications</i> , 2005 , 1288-90	5.8	83
107	Photocatalytic remote oxidation with various photocatalysts and enhancement of its activity. <i>Journal of Materials Chemistry</i> , 2005 , 15, 3104		50
106	Super-hydrophobic/super-hydrophilic patterning of gold surfaces by photocatalytic lithography. <i>Journal of Materials Chemistry</i> , 2005 , 15, 1523		100
105	Toward selectivity control of a heme peptide electrode by modification with a phase-transition polymer. <i>Analytical Sciences</i> , 2005 , 21, 351-3	1.7	4
104	Control of heme peptide activity by using phase transition polymers modified with inhibitors. <i>Bioelectrochemistry</i> , 2005 , 65, 129-34	5.6	15
103	Peroxidase model electrodes: Self-mediation of heme peptide multilayer-modified electrodes and its application to biosensing with adjustable dynamic range. <i>Journal of Electroanalytical Chemistry</i> , 2005 , 585, 89-96	4.1	12
102	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
101	Compact amperometric algal biosensors for the evaluation of water toxicity. <i>Analytica Chimica Acta</i> , 2005 , 530, 191-197	6.6	56
100	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
99	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
98	Oxidative energy storage ability of a TiO ₂ -Ni(OH) ₂ bilayer photocatalyst. <i>Langmuir</i> , 2005 , 21, 12357-61	4	69
97	Characterization of Oxygenated Diamond Electrodes 2005 , 218-237		3

96	Plasmon-induced photoelectrochemistry at metal nanoparticles supported on nanoporous TiO ₂ . <i>Chemical Communications</i> , 2004 , 1810-1	5.8	393
95	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
94	Self-wiring from tyrosinase to an electrode with redox polymers. <i>Journal of Electroanalytical Chemistry</i> , 2004 , 572, 15-19	4.1	22
93	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
92	Energy storage TiO ₂ /MoO ₃ photocatalysts. <i>Electrochimica Acta</i> , 2004 , 49, 2025-2029	6.7	79
91	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
90	Mechanisms and Resolution of Photocatalytic Lithography. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 3005-3009	3.4	65
89	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
88	Activity regulation of tyrosinase by using photoisomerizable inhibitors. <i>Journal of Biotechnology</i> , 2004 , 108, 11-6	3.7	14
87	Detection of H ₂ O ₂ released from TiO ₂ photocatalyst to air. <i>Analytical Sciences</i> , 2004 , 20, 591-3	1.7	59
86	Bactericidal effect of an energy storage TiO ₂ /WO ₃ photocatalyst in dark. <i>Electrochemistry Communications</i> , 2003 , 5, 793-796	5.1	118
85	Multicolour photochromism of TiO ₂ films loaded with silver nanoparticles. <i>Nature Materials</i> , 2003 , 2, 29-31	27	566
84	TiO ₂ -Phosphotungstic Acid Photocatalysis Systems with an Energy Storage Ability. <i>Journal of the Electrochemical Society</i> , 2003 , 150, A1405	3.9	36
83	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
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