Kohei Uosaki

List of Publications by Year
in descending order

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558	16,871	15880 67	39744 98
papers	citations	h-index	g-index

604	604	604	15607
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Criteria for evaluating lithiumâ€“air batteries in academia to correctly predict their practical performance in industry. Materials Horizons, 2022, 9, 856-863.	6.4	26
2	(Digital Presentation) Mass Spectroscopic Products Analysis during Charging of Li-O₂ Cell with Tegdme Based Electrolyte. ECS Meeting Abstracts, 2022, MA2022-01, 58-58.	0.0	0
3	Effects of Discharge/Charge Cycles on Inner Structures of Laminated Cells of Lithium Air Batteries By X-Ray CT, SEM/EDS and FIB-SEM/EDS. ECS Meeting Abstracts, 2022, MA2022-01, 117-117.	0.0	0
4	Identifying Substrate-Dependent Chemical Bonding Nature at Molecule/Metal Interfaces Using Vibrational Sum Frequency Generation Spectroscopy and Theoretical Calculations. Journal of Physical Chemistry C, 2022, 126, 11298-11309.	1.5	3
5	Computationally empowered design of emerging earth-abundant electrocatalysts towardÂelectron-/proton-transferring energy conversion. Current Opinion in Electrochemistry, 2021, 26, 100661.	2.5	5
6	A rotating disk electrode study on catalytic activity of iron(II) phthalocyanine-modified electrodes for oxygen reduction in acidic media. Journal of Solid State Electrochemistry, 2021, 25, 141-147.	1.2	4
7	Effect of Electrolyte Filling Technology on the Performance of Porous Carbon Electrode-Based Lithium-Oxygen Batteries. ACS Applied Energy Materials, 2021, 4, 2563-2569.	2.5	23
8	Probing Molecular Mechanisms during the Oscillatory Adsorption of Propyl Chain Functionalized Organosilane Films with Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry B, 2021, 125, 4383-4392.	1.2	4
9	Heterocyclic Ringâ€Opening of Nanographene on Au(111). Angewandte Chemie, 2021, 133, 9513-9518.	1.6	2
10	Heterocyclic Ringâ€Opening of Nanographene on Au(111). Angewandte Chemie - International Edition, 2021, 60, 9427-9432.	7.2	15
11	Carbon-black-based self-standing porous electrode for 500 Wh/kg rechargeable lithium-oxygen batteries. Cell Reports Physical Science, 2021, 2, 100506.	2.8	35
12	Potential and time dependent broad band sum frequency generation spectroscopic study on electrochemical oxidation of adsorbed CO on Pt(1 1 1) electrode surface in pre-peak region in alkaline solution. Journal of Electroanalytical Chemistry, 2021, 896, 115478.	1.9	2
13	Lithiation of the crystalline silicon as analyzed using soft X-ray emission spectroscopy and windowless energy dispersive X-ray spectroscopy. Applied Surface Science, 2021, 569, 151040.	3.1	2
14	Facile Synthesis Sandwich-Structured Ge/NrGO Nanocomposite as Anodes for High-Performance Lithium-Ion Batteries. Crystals, 2021, 11, 1582.	1.0	4
15	Electrochemical Lithiation and Delithiation of Si(100) Single-crystal Surface. Chemistry Letters, 2020, 49, 91-94.	0.7	3
16	Electrochemical Growth of Very Long (â^¼80 Î¼m) Crystalline Li₂O₂ Nanowires on Single-Layer Graphene Covered Gold and Their Growth Mechanism. Journal of the American Chemical Society, 2020, 142, 19502-19509.	6.6	19
17	Anomalously Slow Conformational Change Dynamics of Polar Groups Anchored to Hydrophobic Surfaces in Aqueous Media. Chemistry - an Asian Journal, 2020, 15, 3321-3325.	1.7	0
18	Atomistic Control of Metalâ€“Molecule Junctions for Efficient Photo-Induced Uphill Charge Transfer. Journal of Physical Chemistry C, 2020, 124, 18173-18180.	1.5	10

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19	Material balance in the O₂ electrode of Liâ€“O₂ cells with a porous carbon electrode and TEGDME-based electrolytes. RSC Advances, 2020, 10, 42971-42982.	1.7	20
20	Investigation of the effects of Pt/Pd composition and PVP content on the activity of Pt/Pd core-shell catalysts. Electrochemistry Communications, 2020, 115, 106736.	2.3	8
21	A quantum chemical study of substituent effects on CN bonds in aryl isocyanide molecules adsorbed on the Pt surface. Physical Chemistry Chemical Physics, 2020, 22, 12200-12208.	1.3	4
22	Effect of Electrolyte Concentration on the Solvation Structure of Gold/LITFSIâ€“DMSO Solution Interface. Journal of Physical Chemistry C, 2020, 124, 12381-12389.	1.5	25
23	Basic knowledge in battery research bridging the gap between academia and industry. Materials Horizons, 2020, 7, 1937-1954.	6.4	94
24	Effect of O2 adsorption on the termination of Liâ€“O2 batteries discharge. Electrochimica Acta, 2020, 340, 135977.	2.6	4
25	Effects of HF on the Lithiation Behavior of the Silicon Anode in LiPF₆ Organic Electrolyte Solution. ACS Omega, 2020, 5, 2081-2087.	1.6	7
26	Confined-Space-Induced Side Reactions in Li-O2 Electrochemistry. ECS Meeting Abstracts, 2020, MA2020-02, 746-746.	0.0	0
27	Breathing of Water during Charge/Discharge Cycling in a Nonaqueous Li/O2 Cell with Tetraglyme-Based Electrolytes. ECS Meeting Abstracts, 2020, MA2020-02, 664-664.	0.0	0
28	Boron nitride nanosheets decorated with Au, Au-Ni, Au-Cu, or Au-Co nanoparticles as efficient electrocatalysts for hydrogen evolution reaction. Journal of Electroanalytical Chemistry, 2019, 848, 113312.	1.9	18
29	Soft X-ray Li-K and Si-L2, 3 Emission from Crystalline and Amorphous Lithium Silicides in Lithium-Ion Batteries Anode. Journal of the Electrochemical Society, 2019, 166, A5362-A5368.	1.3	3
30	Electrochemical impedance analysis of the Li/Au-Li7La3Zr2O12 interface during Li dissolution/deposition cycles: Effect of pre-coating Li7La3Zr2O12 with Au. Journal of Electroanalytical Chemistry, 2019, 835, 143-149.	1.9	33
31	Recent progress in liquid electrolytes for lithium metal batteries. Current Opinion in Electrochemistry, 2019, 17, 106-113.	2.5	66
32	Editorial overview Electrochemical surface science and energy conversion. Current Opinion in Electrochemistry, 2019, 17, A4-A7.	2.5	0
33	Quantitative cross-sectional mapping of nanomechanical properties of composite films for lithium ion batteries using bimodal mode atomic force microscopy. Journal of Power Sources, 2019, 413, 29-33.	4.0	11
34	Electrochemical and in situ SERS study of the role of an inhibiting additive in selective electrodeposition of copper in sulfuric acid. Electrochemistry Communications, 2019, 98, 19-22.	2.3	6
35	Pt Monolayer Creation on a Au Surface via an Underpotentially Deposited Cu Route. Journal of Physical Chemistry C, 2019, 123, 2872-2881.	1.5	5
36	Spontaneous pseudo-topological silicon quantization for redesigned Si-based Li-ion batteries. Nano Energy, 2019, 56, 875-883.	8.2	19

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37	Cross Sectional Mapping of Nano-Mechanical Properties of Composite Electrodes for Lithium Ion Batteries Using Bimodal Mode Atomic Force Microscopy. ECS Meeting Abstracts, 2019, , .	0.0	0
38	(Invited) Confined Molecular Electrocatalyst for Electrochemical and Photoelectrochemical Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2019, , .	0.0	0
39	(Keynote) Photoelectrochemistry - Looking Back to the Future. ECS Meeting Abstracts, 2019, , .	0.0	0
40	Application of windowless energy dispersive spectroscopy to determine Li distribution in Li-Si alloys. Applied Physics Letters, 2018, 112, .	1.5	8
41	Evolving affinity between Coulombic reversibility and hysteretic phase transformations in nano-structured silicon-based lithium-ion batteries. Nature Communications, 2018, 9, 479.	5.8	73
42	Electrical Matching at Metal/Molecule Contacts for Efficient Heterogeneous Charge Transfer. ACS Nano, 2018, 12, 1228-1235.	7.3	13
43	Lithiation Products of a Silicon Anode Based on Soft X-ray Emission Spectroscopy: A Theoretical Study. Journal of Physical Chemistry C, 2018, 122, 11096-11108.	1.5	8
44	Electronic Structure of CO Adsorbed on Electrodeposited Pt Thin Layers on Polycrystalline Au Electrodes Probed by Potential-Dependent IR/Visible Double-Resonance Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2018, 122, 8191-8201.	1.5	7
45	Oxygen Reduction Reaction Catalyzed by Small Gold Cluster on h-BN/Au(111) Support. Electrocatalysis, 2018, 9, 182-188.	1.5	14
46	An efficient electrocatalyst for oxygen reduction to water - boron nitride nanosheets decorated with small gold nanoparticles (~ 5 nm) of narrow size distribution on gold substrate. Journal of Electroanalytical Chemistry, 2018, 819, 107-113.	1.9	22
47	Dynamic changes in charge-transfer resistance at Li metal/Li7La3Zr2O12 interfaces during electrochemical Li dissolution/deposition cycles. Journal of Power Sources, 2018, 376, 147-151.	4.0	95
48	Quantum-to-Classical Transition of Proton Transfer in Potential-Induced Dioxygen Reduction. Physical Review Letters, 2018, 121, 236001.	2.9	38
49	Microscopic Electrode Processes in the Four-Electron Oxygen Reduction on Highly Active Carbon-Based Electrocatalysts. ACS Catalysis, 2018, 8, 8162-8176.	5.5	54
50	Effect of Water and HF on the Distribution of Discharge Products at Liâ€“O₂ Battery Cathode. ACS Applied Energy Materials, 2018, 1, 3434-3442.	2.5	11
51	In Situ Structural Determination of Underpotentially Deposited Pd Monolayer on Au(111) Surface. ECS Meeting Abstracts, 2018, , .	0.0	0
52	(Invited) Combination of Insulating Boron Nitride and Inert Gold Substrate As an Efficient Electrocatalysts for Oxygen Reduction Reaction and Hydrogen Evolution Reaction - Theoretical and Experimental Investigations. ECS Meeting Abstracts, 2018, , .	0.0	0
53	(Invited) Boron Nitride Nanosheets Decorated with Small Gold Nanoparticles (~ 5 nm) of Narrow Size Distribution on Gold Substrate As an Efficient Electrocatalyst for Oxygen Reduction to Water. ECS Meeting Abstracts, 2018, , .	0.0	0
54	(Keynote) Electrochemical Surface Science and Energy Conversion. ECS Meeting Abstracts, 2018, , .	0.0	0

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55	Two-Dimensional Corrugated Porous Carbon-, Nitrogen-Framework/Metal Heterojunction for Efficient Multielectron Transfer Processes with Controlled Kinetics. ACS Nano, 2017, 11, 1770-1779.	7.3	50
56	Potassium Ions Promote Solution-Route Li₂O₂ Formation in the Positive Electrode Reaction of Liâ€“O₂ Batteries. Journal of Physical Chemistry Letters, 2017, 8, 1142-1146.	2.1	30
57	Organic Molecular Layer with High Electrochemical Bistability: Synthesis, Structure, and Properties of a Dynamic Redox System with Lipoate Units for Binding to Au(111). ChemPlusChem, 2017, 82, 1043-1047.	1.3	2
58	Lithium-metal deposition/dissolution within internal space of CNT 3D matrix results in prolonged cycle of lithium-metal negative electrode. Carbon, 2017, 119, 119-123.	5.4	67
59	Enhanced energy capacity of lithium-oxygen batteries with ionic liquid electrolytes by addition of ammonium ions. Journal of Power Sources, 2017, 356, 12-17.	4.0	12
60	Novel In Situ Techniques. , 2017, , 147-174.		4
61	Structural Study of Electrochemically Lithiated Si. ECS Transactions, 2017, 75, 67-72.	0.3	1
62	Effects of contaminant water on coulombic efficiency of lithium deposition/dissolution reactions in tetraglyme-based electrolytes. Journal of Power Sources, 2017, 350, 73-79.	4.0	34
63	Improved charging performance of Liâ€“O2 batteries by forming Ba-incorporated Li2O2 as the discharge product. Journal of Power Sources, 2017, 353, 138-143.	4.0	15
64	In situ determination of electronic structure at solid/liquid interfaces. Journal of Electron Spectroscopy and Related Phenomena, 2017, 221, 88-98.	0.8	9
65	Insulative Microfiber 3D Matrix as a Host Material Minimizing Volume Change of the Anode of Li Metal Batteries. ACS Energy Letters, 2017, 2, 924-929.	8.8	95
66	Broader energy distribution of CO adsorbed at polycrystalline Pt electrode in comparison with that at Pt(111) electrode in H2SO4 solution confirmed by potential dependent IR/visible double resonance sum frequency generation spectroscopy. Electrochimica Acta, 2017, 235, 280-286.	2.6	8
67	Fast Structure Determination of Electrode Surfaces for Investigating Electrochemical Dynamics Using Wavelength-Dispersive X-ray Crystal Truncation Rod Measurements. Journal of Physical Chemistry C, 2017, 121, 24726-24732.	1.5	10
68	Electrochemical SERS observation of molecular adsorbates on Ru/Pt-modified Au(111) surfaces using sphere-plane type gap-mode plasmon excitation. Journal of Electroanalytical Chemistry, 2017, 800, 151-155.	1.9	10
69	Solidâ€“Liquid Interfaces. , 2017, , 505-525.		1
70	Interfacial Molecular Structure and Dynamics at Solid Surface Studied by Sum Frequency Generation Spectroscopy. , 2017, , 203-241.		1
71	(Invited) Spectroelectrochemical Evidence of an Electron Transfer through Viologen Moiety from an ITO Electrode to a Molecular Catalyst for Hydrogen Evolution Reaction Confined within a Viologen Monolayer. ECS Meeting Abstracts, 2017, , .	0.0	0
72	Insulating Boron Nitride Nanosheet on Inert Gold Substrate As a Highly Efficient Electrocatalyst for Hydrogen Evolution Reaction. ECS Meeting Abstracts, 2017, , .	0.0	0

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73	Effect of Water on the Product Distribution at the Cathode of Li-O₂ Batteries. ECS Meeting Abstracts, 2017, MA2017-01, 305-305.	0.0	1
74	In situ Structural Study of Electrode/Electrolyte Interfaces by SXS Using Synchrotron Radiation. Hyomen Kagaku, 2016, 37, 72-77.	0.0	0
75	Highly Efficient Oxygen and Hydrogen Electrocatalytic Activities of Selfâ€Morphogenic Nanoporous Carbon, Nitrogen Architectures. ChemNanoMat, 2016, 2, 99-103.	1.5	25
76	Anion Adsorption on Gold Electrodes Studied by Electrochemical Surface Forces Measurement. Journal of Physical Chemistry C, 2016, 120, 15986-15992.	1.5	34
77	Biofunctionality of Calmodulin Immobilized on Gold Surface Studied by Surface-Enhanced Infrared Absorption Spectroscopy: Ca²⁺-Induced Conformational Change and Binding to a Target Peptide. Journal of Physical Chemistry C, 2016, 120, 16035-16041.	1.5	7
78	Potential-Dependent Structures and Potential-Induced Structure Changes at Pt(111) Single-Crystal Electrode/Sulfuric and Perchloric Acid Interfaces in the Potential Region between Hydrogen Underpotential Deposition and Surface Oxide Formation by In Situ Surface X-ray Scattering. Journal of Physical Chemistry C, 2016, 120, 16118-16131.	1.5	49
79	Size dependent lattice constant change of thiol self-assembled monolayer modified Au nanoclusters studied by grazing incidence x-ray diffraction. Electrochemistry Communications, 2016, 65, 35-38.	2.3	11
80	Nitrogen-doped carbon materials derived from acetonitrile and Mg-Co-Al layered double hydroxides as electrocatalysts for oxygen reduction reaction. Electrochimica Acta, 2016, 212, 47-58.	2.6	13
81	Highly Efficient Electrochemical Hydrogen Evolution Reaction at Insulating Boron Nitride Nanosheet on Inert Gold Substrate. Scientific Reports, 2016, 6, 32217.	1.6	72
82	Construction of Pt-Ni nanocomposites from Pt-Ni multinuclear complexes on gold(111) surface and their electrocatalytic activity for methanol oxidation. Journal of Electroanalytical Chemistry, 2016, 781, 41-47.	1.9	4
83	In Situ SXS and XAFS Measurements of Electrochemical Interface. , 2016, , 367-449.		3
84	Structural Study of Electrochemically Lithiated Si(111) by using Soft Xâ€ray Emission Spectroscopy Combined with Scanning Electron Microscopy and through Xâ€ray Diffraction Measurements. ChemElectroChem, 2016, 3, 959-965.	1.7	22
85	Various Active Metal Species Incorporated within Molecular Layers on Si(111) Electrodes for Hydrogen Evolution and CO₂ Reduction Reactions. Journal of Physical Chemistry C, 2016, 120, 16200-16210.	1.5	13
86	Improved Energy Capacity of Aprotic Liâ€“O₂ Batteries by Forming Cl-Incorporated Li₂O₂ as the Discharge Product. Journal of Physical Chemistry C, 2016, 120, 13360-13365.	1.5	25
87	Spectroelectrochemical evidence of the role of viologen moiety as an electron transfer mediator from ITO substrate to a Pt complex acting as a confined molecular catalyst for hydrogen evolution reaction. Electrochemistry Communications, 2016, 62, 56-59.	2.3	5
88	Ligand effect of SnO₂ on a Ptâ€“Ru catalyst and the relationship between bond strength and CO tolerance. Catalysis Science and Technology, 2016, 6, 3214-3219.	2.1	17
89	Gold nanoparticle decoration of insulating boron nitride nanosheet on inert gold electrode toward an efficient electrocatalyst for the reduction of oxygen to water. Electrochemistry Communications, 2016, 66, 53-57.	2.3	35
90	Nanostructuring of Molecular Assembly Using Electrochemical Reductive Desorption of Locally Stabilized Thiol Monolayers. Journal of Physical Chemistry C, 2016, 120, 15823-15829.	1.5	6

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91	Kinetic Behavior of Catalytic Active Sites Connected with a Conducting Surface through Various Electronic Coupling. Journal of Physical Chemistry C, 2016, 120, 2159-2165.	1.5	11
92	Cobalt Phthalocyanine Analogues As Soluble Catalysts That Improve the Charging Performance of Li-O2 Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
93	The Effects of Water Concentration on Lithium Deposition/Dissolution Toward Practical Operation of Lithium-Air Batteries. ECS Meeting Abstracts, 2016, , .	0.0	0
94	Insulating Boron Nitride Nanosheet on Inert Gold Electrode As a Novel Efficient Electrocatalyst for Oxygen Reduction Reaction. ECS Meeting Abstracts, 2016, , .	0.0	0
95	Structural Study of Electrochemically Lithiated Si. ECS Meeting Abstracts, 2016, , .	0.0	0
96	Electrochemical Lithiation/Delithiation Process of Si. ECS Meeting Abstracts, 2016, , .	0.0	0
97	Utilization of Hard X-Ray Photoelectron Spectroscopy for Silicon-Based Negative Electrodes Buried within Solid Electrolyte Interphase. ECS Meeting Abstracts, 2016, , .	0.0	0
98	Insulating Boron Nitride Nanosheet on Inert Gold Substrate As a Novel Electrocatalyst for Oxygen Reduction Reaction - Theoretical and Experimental Investigations. ECS Meeting Abstracts, 2016, , .	0.0	0
99	Potential Dependent IR/Visible Double Resonance Sum Frequency Generation Spectroscopy to Probe Electronic Structure at Electrochemical Interfaces. ECS Meeting Abstracts, 2016, , .	0.0	0
100	High-Speed Surface X-Ray Diffraction for Monitoring Structural Changes of Electrode Surfaces: An Application to Methanol Oxidation on Pt(111). ECS Meeting Abstracts, 2016, , .	0.0	0
101	Electronic Structure of the CO/Pt(111) Electrode Interface Probed by Potential-Dependent IR/Visible Double Resonance Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2015, 119, 26056-26063.	1.5	25
102	Adsorption and Desorption Behavior of Nafion on Au and Pt Surfaces. Hyomen Kagaku, 2015, 36, 465-473.	0.0	0
103	Cobalt phthalocyanine analogs as soluble catalysts that improve the charging performance of Li-O2 batteries. Chemical Physics Letters, 2015, 620, 78-81.	1.2	39
104	In situ real-time monitoring of geometric, electronic, and molecular structures at solid/liquid interfaces. Japanese Journal of Applied Physics, 2015, 54, 030102.	0.8	17
105	Role of Interfacial Water in Protein Adsorption onto Polymer Brushes as Studied by SFG Spectroscopy and QCM. Journal of Physical Chemistry C, 2015, 119, 17193-17201.	1.5	84
106	Subnanoscale hydrophobic modulation of salt bridges in aqueous media. Science, 2015, 348, 555-559.	6.0	51
107	Electrochemistry of rechargeable lithiumâ€“air batteries. , 2015, , 149-181.		1
108	Water structure at the interfaces between a zwitterionic self-assembled monolayer/liquid water evaluated by sum-frequency generation spectroscopy. Colloids and Surfaces B: Biointerfaces, 2015, 135, 267-273.	2.5	19

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109	Vibrational Spectroscopic Observation of Atomic-Scale Local Surface Sites Using Site-Selective Signal Enhancement. Nano Letters, 2015, 15, 7982-7986.	4.5	25
110	In situ real-time study on potential induced structure change at Au(111) and Au(100) single crystal electrode/sulfuric acid solution interfaces by surface x-ray scattering. Surface Science, 2015, 631, 96-104.	0.8	21
111	Design of Pt-CeOxhetero-interface on electrodes in polymer electrolyte membrane fuel cells. IOP Conference Series: Materials Science and Engineering, 2014, 54, 012010.	0.3	2
112	Going beyond the self-assembled monolayer: metal intercalated dithiol multilayers and their conductance. RSC Advances, 2014, 4, 39657-39666.	1.7	30
113	Electrochemical and infrared spectroscopic study of the self-assembled monolayer of a cyano-bridged dimeric triruthenium complex on gold surface. Journal of Electroanalytical Chemistry, 2014, 714-715, 51-55.	1.9	9
114	Sum-frequency generation analyses of the structure of water at amphoteric SAMâ€“liquid water interfaces. Colloids and Surfaces B: Biointerfaces, 2014, 121, 264-269.	2.5	12
115	Structure of water at zwitterionic copolymer filmâ€“liquid water interfaces as examined by the sum frequency generation method. Colloids and Surfaces B: Biointerfaces, 2014, 113, 361-367.	2.5	40
116	Adsorption and Catalytic Activation of the Molecular Oxygen on the Metal Supported h-BN. Topics in Catalysis, 2014, 57, 1032-1041.	1.3	34
117	Synthesis and Properties of the Cyano Complex of Oxo-Centered Triruthenium Core [Ru₃(Î¼₃-O)(Î¼-CH₃COO)₆(pyridine)₂(CN)]. Inorganic Chemistry, 2014, 53, 1288-1294.	1.9	13
118	Electrochemical quartz crystal microbalance study on the oxygen reduction reaction in Li+ containing DMSO solution. Journal of Electroanalytical Chemistry, 2014, 716, 49-52.	1.9	14
119	Construction of a metalâ€“organic monolayerâ€“semiconductor junction on a hydrogen-terminated Si(111) surface via Siâ€“C covalent linkage and its electrical properties. Physical Chemistry Chemical Physics, 2014, 16, 9960.	1.3	7
120	Photoexcited Hole Transfer to a MnOxCocatalyst on a SrTiO3Photoelectrode during Oxygen Evolution Studied by In Situ X-ray Absorption Spectroscopy. Journal of Physical Chemistry C, 2014, 118, 24302-24309.	1.5	42
121	Nanoscale Optical and Mechanical Manipulation of Molecular Alignment in Metalâ€“Moleculeâ€“Metal Structures. Journal of Physical Chemistry C, 2014, 118, 21550-21557.	1.5	22
122	Electrocatalytic activity of various types of h-BN for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2014, 16, 13755-13761.	1.3	55
123	Boron Nitride Nanosheet on Gold as an Electrocatalyst for Oxygen Reduction Reaction: Theoretical Suggestion and Experimental Proof. Journal of the American Chemical Society, 2014, 136, 6542-6545.	6.6	231
124	Effects of Atomic Geometry and Electronic Structure of Platinum Surfaces on Molecular Adsorbates Studied by Gap-Mode SERS. Journal of the American Chemical Society, 2014, 136, 10299-10307.	6.6	80
125	Semiconductor Electrode. , 2014, , 1875-1882.		0
126	Plasmonically Nanoconfined Light Probing Invisible Phonon Modes in Defect-Free Graphene. Journal of the American Chemical Society, 2013, 135, 11489-11492.	6.6	27

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127	Potential-Dependent Adsorption and Desorption of Perfluorosulfonated Ionomer on a Platinum Electrode Surface Probed by Electrochemical Quartz Crystal Microbalance and Atomic Force Microscopy. Journal of Physical Chemistry C, 2013, 117, 15704-15709.	1.5	48
128	Origin of the enhancement of electrocatalytic activity and durability of PtRu alloy prepared from a hetero bi-nuclear Ptâ€“Ru complex for methanol oxidation reactions. RSC Advances, 2013, 3, 15094.	1.7	10
129	Layered Perovskite Oxide: A Reversible Air Electrode for Oxygen Evolution/Reduction in Rechargeable Metal-Air Batteries. Journal of the American Chemical Society, 2013, 135, 11125-11130.	6.6	194
130	Effect of surface treatment with different sulfide solutions on the ultrafast dynamics of photogenerated carriers in GaAs(100). Applied Surface Science, 2013, 267, 185-188.	3.1	12
131	Direct proof of potential dependent oxygen adsorption on a gold electrode surface by electrochemical quartz crystal microbalance. Electrochemistry Communications, 2013, 34, 33-36.	2.3	8
132	Electrochemical and in situ FTIR studies of ethanol adsorption and oxidation on gold single crystal electrodes in alkaline media. Journal of Electroanalytical Chemistry, 2013, 707, 89-94.	1.9	50
133	Functionalization of Monolayer h-BN by a Metal Support for the Oxygen Reduction Reaction. Journal of Physical Chemistry C, 2013, 117, 21359-21370.	1.5	109
134	Theoretical predictions for hexagonal BN based nanomaterials as electrocatalysts for the oxygen reduction reaction. Physical Chemistry Chemical Physics, 2013, 15, 2809.	1.3	95
135	Enhancement of SERS Background through Charge Transfer Resonances on Single Crystal Gold Surfaces of Various Orientations. Journal of the American Chemical Society, 2013, 135, 17387-17392.	6.6	64
136	Ultrafast Dynamics of Photogenerated Electrons in CdS Nanocluster Multilayers Assembled on Solid Substrates: Effects of Assembly and Electrode Potential. ChemPhysChem, 2013, 14, 2174-2182.	1.0	3
137	In situ observation of carrier transfer in the Mn-oxide/Nb:SrTiO3 photoelectrode by X-ray absorption spectroscopy. Chemical Communications, 2013, 49, 7848.	2.2	32
138	Selective dehybridization of DNAâ€“Au nanoconjugates using laser irradiation. Physical Chemistry Chemical Physics, 2013, 15, 15995.	1.3	19
139	Structure of adsorbed molecular layer on fused quartz surface determined sequentially in sodium stearate solution, dry Ar, pure water, and dry Ar by sum frequency generation spectroscopy. Surface Science, 2013, 607, 92-96.	0.8	3
140	Significant contribution of three-phase boundary for the oxygen reduction current in DMSO solution at a gold disk electrode in hanging meniscus configuration. Journal of Electroanalytical Chemistry, 2013, 707, 151-155.	1.9	5
141	Humidity dependent structure of water at the interfaces between perfluorosulfonated ionomer thin film and Pt and HOPG studied by sum frequency generation spectroscopy. Electrochemistry Communications, 2013, 27, 5-8.	2.3	9
142	Potential-Dependent Adsorption/Desorption Behavior of Perfluorosulfonated Ionomer on a Gold Electrode Surface Studied by Cyclic Voltammetry, Electrochemical Quartz Microbalance, and Electrochemical Atomic Force Microscopy. Langmuir, 2013, 29, 2420-2426.	1.6	34
143	Formation of Functionalized Nanowires by Control of Selfâ€Assembly Using Multiple Modified Amyloid Peptides. Advanced Functional Materials, 2013, 23, 4881-4887.	7.8	24
144	Structure of Pt(111)/Ionomer Membrane Interface and Its Bias-Induced Change in Membrane Electrode Assembly. Journal of Physical Chemistry C, 2013, 117, 12168-12171.	1.5	22

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145	Surface optimization of optical antennas for plasmonic enhancement of photoelectrochemical reactions. Electrochimica Acta, 2013, 112, 864-868.	2.6	5
146	Single Molecule Dynamics at a Mechanically Controllable Break Junction in Solution at Room Temperature. Journal of the American Chemical Society, 2013, 135, 1009-1014.	6.6	138
147	In situ x-ray photoelectron spectroscopy for electrochemical reactions in ordinary solvents. Applied Physics Letters, 2013, 103, .	1.5	89
148	Application of Resonance Surface X-ray Scattering Technique to Solid/Liquid Interfaces. Hyomen Kagaku, 2013, 34, 385-388.	0.0	0
149	Self-Assembly: Formation of Functionalized Nanowires by Control of Self-Assembly Using Multiple Modified Amyloid Peptides (Adv. Funct. Mater. 39/2013). Advanced Functional Materials, 2013, 23, 4880-4880.	7.8	0
150	Electrochemical Reduction of Oxygen in Organic Solvents With and Without Li+ Cation â€“ Effect of Oxygen Supply. ECS Meeting Abstracts, 2013, , .	0.0	1
151	Structural Transition of Alkylthiol/Au(111) Interface During Self-Assembly Process. ECS Meeting Abstracts, 2013, , .	0.0	0
152	Preparation of Tantalum Anodic Oxide Film in Citric Acid Solution - Evidence and Effects of Citrate Anion Incorporation. Journal of Electrochemical Science and Technology, 2013, 4, 163-170.	0.9	8
153	Preparation of Tantalum Anodic Oxide Film in Citric Acid Solution - Evidence and Effects of Citrate Anion Incorporation. Journal of Electrochemical Science and Technology, 2013, 4, 163-170.	0.9	2
154	Photoelectrochemical Reduction of Carbon Dioxide at Si(111) Electrode Modified by Viologen Molecular Layer with Metal Complex. Chemistry Letters, 2012, 41, 328-330.	0.7	11
155	Porous gold nanodisks with multiple internal hot spots. Physical Chemistry Chemical Physics, 2012, 14, 9131.	1.3	48
156	Terpyridine platinum(ii) complexes containing triazine di- or tri-thiolate bridges: structures, luminescence, electrochemistry, and aggregation. Dalton Transactions, 2012, 41, 11497.	1.6	25
157	Structural Tuning of Optical Antenna Properties for Plasmonic Enhancement of Photocurrent Generation on a Molecular Monolayer System. Journal of Physical Chemistry C, 2012, 116, 20806-20811.	1.5	29
158	Role of Cerium Oxide in the Enhancement of Activity for the Oxygen Reduction Reaction at Ptâ€“CeO_x Nanocomposite Electrocatalyst - An in Situ Electrochemical X-ray Absorption Fine Structure Study. Journal of Physical Chemistry C, 2012, 116, 10098-10102.	1.5	121
159	Evidence of Nonelectrochemical Shift Reaction on a CO-Tolerant High-Entropy State Ptâ€“Ru Anode Catalyst for Reliable and Efficient Residential Fuel Cell Systems. Journal of the American Chemical Society, 2012, 134, 14508-14512.	6.6	63
160	Examination of the electroactive composites containing cobalt nanoclusters and nitrogen-doped nanostructured carbon as electrocatalysts for oxygen reduction reaction. Journal of Power Sources, 2012, 220, 20-30.	4.0	21
161	Structure of water in the vicinity of a zwitterionic polymer brush as examined by sum frequency generation method. Colloids and Surfaces B: Biointerfaces, 2012, 100, 126-132.	2.5	27
162	Electrochemical Layer-by-Layer Deposition of Pseudomorphic Pt Layers on Au(111) Electrode Surface Confirmed by Electrochemical and In Situ Resonance Surface X-ray Scattering Measurements. Journal of Physical Chemistry C, 2012, 116, 26464-26474.	1.5	18

#	Article	IF	Citations
163	Important Role of Cerium Oxide in Oxygen Reduction Reaction at Pt-CeOx Nanocomposite Electrocatalyst Studied by in situ Electrochemical XAFS. ECS Meeting Abstracts, 2012, , .	0.0	0
164	Sum frequency generation study on the structure of water in the vicinity of an amphoteric polymer brush. Colloids and Surfaces B: Biointerfaces, 2012, 91, 215-218.	2.5	24
165	Charge transport at the interface of n-GaAs (100) with an aqueous HCl solution: Electrochemical impedance spectroscopy study. Semiconductors, 2012, 46, 471-477.	0.2	12
166	Optical Antenna for Photofunctional Molecular Systems. Chemistry - A European Journal, 2012, 18, 1564-1570.	1.7	6
167	Molecular Catalysts Confined on and Within Molecular Layers Formed on a Si(111) Surface with Direct Siâ€“C Bonds. Advanced Materials, 2012, 24, 268-272.	11.1	22
168	Nonlinear Raman Scattering Spectroscopy for Carbon Nanomaterials. , 2012, , 99-118.		1
169	Metal-Dependent and Redox-Selective Coordination Behaviors of Metalloligand [Mo^V(1,2-benzenedithiolato)₃]^{â^'}with Cu^I/Ag^IIons. Inorganic Chemistry, 2011, 50, 2859-2869.	1.9	20
170	In Situ Electrochemical, Electrochemical Quartz Crystal Microbalance, Scanning Tunneling Microscopy, and Surface X-ray Scattering Studies on Ag/AgCl Reaction at the Underpotentially Deposited Ag Bilayer on the Au(111) Electrode Surface. Journal of Physical Chemistry C, 2011, 115, 12471-12482.	1.5	19
171	Crystal Face Dependent Chemical Effects in Surface-Enhanced Raman Scattering at Atomically Defined Gold Facets. Nano Letters, 2011, 11, 1716-1722.	4.5	98
172	Formation of continuous platinum layer on top of an organic monolayer by electrochemical deposition followed by electroless deposition. Journal of Electroanalytical Chemistry, 2011, 662, 80-86.	1.9	13
173	Formation Process and Solvent-Dependent Structure of a Polyproline Self-Assembled Monolayer on a Gold Surface. Langmuir, 2011, 27, 11951-11957.	1.6	12
174	A butadiyne-linked diruthenium molecular wire self-assembled on a gold electrode surface. Chemical Communications, 2011, 47, 923-925.	2.2	19
175	Characterization of Structure and Function of Biointerfaces by Surface Vibrational Spectroscopy. Oleoscience, 2011, 11, 197-203.	0.0	0
176	Plasmonic Enhancement of Photoinduced Uphill Electron Transfer in a Molecular Monolayer System. Angewandte Chemie - International Edition, 2011, 50, 1280-1284.	7.2	52
177	Activity of oxygen reduction reaction on small amount of amorphous CeO promoted Pt cathode for fuel cell application. Electrochimica Acta, 2011, 56, 3874-3883.	2.6	75
178	Surface-enhanced Raman scattering at well-defined single crystalline faces of platinum-group metals induced by gap-mode plasmon excitation. Journal of Photochemistry and Photobiology A: Chemistry, 2011, 221, 175-180.	2.0	29
179	Construction of multilayers of bare and Pd modified gold nanoclusters and their electrocatalytic properties for oxygen reduction. Science and Technology of Advanced Materials, 2011, 12, 044606.	2.8	9
180	Expectations and Challenges for Fuel Cell. Hyomen Kagaku, 2011, 32, 681-681.	0.0	0

#	Article	IF	Citations
181	Drastic Effects on Fibril Formation of Amyloid-β Peptides by the Addition of Amino Acid Residue Units to the Termini. Protein and Peptide Letters, 2010, 17, 458-463.	0.4	5
182	Layer by Layer Construction of Metalâ€“Organic Molecule Bilayer on a Au(111) Surface. Chemistry Letters, 2010, 39, 110-111.	0.7	4
183	Effect of Coating by Perfluorosulfonated Ionomer Film on Electrochemical Behaviors of Pt(111) Electrode in Acidic Solutions. Chemistry Letters, 2010, 39, 286-287.	0.7	10
184	Novel Method for Construction of a Metalâ€“Organic Monolayerâ€“Si Structure Utilizing Thiol-terminated Monolayer Covalently Bonded to the Surface through Siâ€“C Bonds. Chemistry Letters, 2010, 39, 768-770.	0.7	7
185	Resonance surface X-ray scattering technique to determine the structure of electrodeposited Pt ultrathin layers on Au(111) surface. Electrochimica Acta, 2010, 55, 8302-8306.	2.6	25
186	Gap-mode SERS studies of azobenzene-containing self-assembled monolayers on Au(111). Journal of Colloid and Interface Science, 2010, 341, 366-375.	5.0	31
187	In Situ Real Time Investigation on the Structure at Electrode/Electrolyte Interfaces by Surface X-Ray Scattering. ECS Meeting Abstracts, 2010, , .	0.0	0
188	Local conformation of poly(methyl methacrylate) at nitrogen and water interfaces. Polymer Chemistry, 2010, 1, 303-311.	1.9	93
189	Humidity-Dependent Structure of Surface Water on Perfluorosulfonated Ionomer Thin Film Studied by Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2010, 114, 3958-3961.	1.5	25
190	1,6-Hexanedithiol Self-Assembled Monolayers on Au(111) Investigated by Electrochemical, Spectroscopic, and Molecular Mechanics Methods. Journal of Physical Chemistry C, 2010, 114, 497-505.	1.5	31
191	Substrate dependent structure of adsorbed aryl isocyanides studied by sum frequency generation (SFG) spectroscopy. Physical Chemistry Chemical Physics, 2010, 12, 3156.	1.3	35
192	Orientation dependence of Pd growth on Au electrode surfaces. Journal of Physics Condensed Matter, 2010, 22, 474002.	0.7	10
193	Interfacial Molecular Structures of Polyelectrolyte Brush in Contact with Dry Nitrogen, Water Vapor, Liquid Water, and Aqueous Electrolyte Solution Studied by Sum Frequency Generation Spectroscopy. Journal of the American Chemical Society, 2010, 132, 17271-17276.	6.6	25
194	Partial stripping of Ag atoms from silver bilayer on a Au(111) surface accompanied with the reductive desorption of hexanethiol SAM. Journal of Solid State Electrochemistry, 2009, 13, 1141-1145.	1.2	8
195	Electrochemical oxidative formation of ordered monolayers of thiol molecules on Au(111) surface. Chemical Record, 2009, 9, 199-209.	2.9	9
196	Stability of underpotentially deposited Ag layers on a Au(111) surface studied by surface X-ray scattering. Electrochemistry Communications, 2009, 11, 804-807.	2.3	25
197	Electrodeposition of Ag and Pd on a reconstructed Au(1 1 1) electrode surface studied by in situ scanning tunneling microscopy. Electrochimica Acta, 2009, 54, 5137-5141.	2.6	6
198	Photoswitching of electron transfer property of diarylethene–viologen linked molecular layer constructed on a hydrogen-terminated Si(111) Surface. Thin Solid Films, 2009, 518, 591-595.	0.8	17

#	Article	IF	Citations
199	Water Structure at Superhydrophobic Quartz/Water Interfaces: A Vibrational Sum Frequency Generation Spectroscopy Study. Journal of Physical Chemistry C, 2009, 113, 21155-21161.	1.5	27
200	Probing the Molecular Conformation of Self-Assembled Monolayers at Metal/Semiconductor Interfaces by Vibrational Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry C, 2009, 113, 21139-21146.	1.5	15
201	Coherent Phonon Dynamics in Single-Walled Carbon Nanotubes Studied by Time-Frequency Two-Dimensional Coherent Anti-Stokes Raman Scattering Spectroscopy. Nano Letters, 2009, 9, 1378-1381.	4.5	25
202	Plasmonic Enhancement of Raman Scattering on Non-SERS-Active Platinum Substrates. Journal of Physical Chemistry C, 2009, 113, 11816-11821.	1.5	72
203	Fabrication of photochemical pattern on a self-assembled monolayer (SAM) of a ruthenium cluster under electrochemical control. Journal of Materials Chemistry, 2009, 19, 261-267.	6.7	22
204	In Situ Scanning Tunneling Microscopy Observation of Metalâ€“Cluster Redox Interconversion and CO Dissociation Reactions at a Solution/Au(111) Interface. Bulletin of the Chemical Society of Japan, 2009, 82, 1227-1231.	2.0	11
205	Formation and Structure of Perfluorosulfonated Ionomer Thin Film on a Graphite Surface. Chemistry Letters, 2009, 38, 884-885.	0.7	29
206	Monolayer Formation of a Ptâ€“Ru Dinuclear Complex on a Gold (111) Surface and Its Conversion to a Ptâ€“Ru Two-dimensional Nanocomposite Having Electrocatalytic Activity. Chemistry Letters, 2009, 38, 148-149.	0.7	8
207	1,n-Alkanedithiol (n = 2, 4, 6, 8, 10) Self-Assembled Monolayers on Au(111): Electrochemical and Theoretical Approach. Bulletin of the Korean Chemical Society, 2009, 30, 2549-2554.	1.0	9
208	Pt Nano-Layer Formation by Redox Replacement of Cu Adlayer on Au(111) Surface. Bulletin of the Korean Chemical Society, 2009, 30, 2875-2876.	1.0	14
209	Selfâ€Assembled Monolayers of Compact Phosphanes with Alkanethiolate Pendant Groups: Remarkable Reusability and Substrate Selectivity in Rh Catalysis. Angewandte Chemie - International Edition, 2008, 47, 5627-5630.	7.2	45
210	Sequential layer-by-layer growth of Au nanoclusters protected by a mixed self-assembled monolayer with a polymer binding layer â€“ Effects of pH and ionic strength of the polymer solution. Journal of Electroanalytical Chemistry, 2008, 612, 105-111.	1.9	10
211	Raman scattering of aryl isocyanide monolayers on atomically flat Au(1 1 1) single crystal surfaces enhanced by gap-mode plasmon excitation. Chemical Physics Letters, 2008, 460, 205-208.	1.2	91
212	Hydrophilicity transition of the clean rutile TiO2 (1 1 0) surface. Electrochimica Acta, 2008, 53, 6173-6177.	2.6	30
213	SFG study on potential-dependent structure of water at Pt electrode/electrolyte solution interface. Electrochimica Acta, 2008, 53, 6841-6844.	2.6	43
214	Effects of concentration and temperature on the formation process of decanethiol self-assembled monolayer on Au(111) followed by electrochemical reductive desorption. Electrochimica Acta, 2008, 53, 6196-6201.	2.6	26
215	Metal Cation-Induced Deformation of DNA Self-Assembled Monolayers on Silicon: Vibrational Sum Frequency Generation Spectroscopy. Journal of the American Chemical Society, 2008, 130, 8016-8022.	6.6	45
216	Resonance Hyper-Raman Scattering of Fullerene C60 Microcrystals. Journal of Physical Chemistry A, 2008, 112, 790-793.	1.1	28

#	Article	IF	Citations
217	Interfacial water structure at polymer gel/quartz interfaces investigated by sum frequency generation spectroscopy. Physical Chemistry Chemical Physics, 2008, 10, 4987.	1.3	34
218	Construction of Mono- and Multimolecular Layers with Electron Transfer Mediation Function and Catalytic Activity for Hydrogen Evolution on a Hydrogen-Terminated Si(111) Surface via Siâ^'C Bond. Journal of Physical Chemistry C, 2008, 112, 10923-10930.	1.5	21
219	Surface Coordination of Nitric Oxide to a Self-Assembled Monolayer of a Triruthenium Cluster: An in Situ Infrared Spectroscopic Study. Langmuir, 2008, 24, 8027-8035.	1.6	23
220	In situ Real-time Monitoring of Electrochemical Ag Deposition on a Reconstructed Au(111) Surface Studied by Scanning Tunneling Microscopy. Journal of Physical Chemistry C, 2008, 112, 3073-3077.	1.5	27
221	Spontaneous Rapid Growth of Triruthenium Cluster Multilayers on Gold Surface. Cyclic Voltammetric In Situ Monitoring and AFM Characterization. Chemistry Letters, 2008, 37, 576-577.	0.7	14
222	Multicomponent Molecular Layers that Exhibit Electrochemical Potential Flip on Au(111) by Use of Proton-coupled Electron-transfer Reactions. Chemistry Letters, 2008, 37, 684-685.	0.7	11
223	Effect of Electrode Potential on Ag Electrodeposition on a Reconstructed Au(111) Electrode Surface. Hyomen Kagaku, 2008, 29, 621-628.	0.0	1
224	Molecular structure at electrode/electrolyte solution interfaces related to electrocatalysis. Faraday Discussions, 2008, 140, 125-137.	1.6	49
225	Electrocatalytic Activity for Oxygen Reduction of Multilayer of Pd Coated Gold Nanoclusters. Transactions of the Materials Research Society of Japan, 2008, 33, 1093-1096.	0.2	2
226	Layer-by-Layer Assembly of Gold Nanoclusters with Self-Assembled Monolayers. , 2008, , 1773-1783.		0
227	Hyper-Raman scattering enhanced by anisotropic dimer plasmons on artificial nanostructures. Journal of Chemical Physics, 2007, 127, 111103.	1.2	38
228	Effects of Electrolytes on the Redox Potential and the Rate of the CO Dissociation Reaction of Trinuclear Ruthenium Monocarbonyl Complexes Self-Assembled on an Au(111) Electrode Surface. Bulletin of the Chemical Society of Japan, 2007, 80, 1368-1376.	2.0	14
229	Structure of Au(111) and Au(100) Single-Crystal Electrode Surfaces at Various Potentials in Sulfuric Acid Solution Determined by In Situ Surface X-ray Scattering. Journal of Physical Chemistry C, 2007, 111, 13197-13204.	1.5	102
230	Functionalization of silicon surfaces with catalytically active Pd complexes and application to the aerobic oxidation of benzylic alcohols. Chemical Communications, 2007, , 4280.	2.2	32
231	Resonant hyper-Raman scattering from carbon nanotubes. Chemical Physics Letters, 2007, 438, 109-112.	1.2	16
232	Self-assembled monolayers (SAMs) with photo-functionalities. Journal of Photochemistry and Photobiology C: Photochemistry Reviews, 2007, 8, 1-17.	5.6	46
233	Evaluation of electron-hole recombination properties of titanium (IV) oxide particles with high photocatalytic activity. Research on Chemical Intermediates, 2007, 33, 285-296.	1.3	50
234	Construction of self-assembled monolayer terminated with N-heterocyclic carbeneâ€“rhodium(I) complex moiety. Surface Science, 2007, 601, 5127-5132.	0.8	15

#	Article	IF	Citations
235	Photoanodic formation of an organic monolayer on a hydrogen-terminated Si(111) surface via Siâ€“C covalent bond using a Grignard reagent and its application for one-step monolayer-patterning. Journal of Electroanalytical Chemistry, 2007, 599, 344-348.	1.9	9
236	STM Studies on Molecular Assembly at Solid/Liquid Interfaces. Nanoscience and Technology, 2007, , 65-100.	1.5	0
237	Size-Dependent Carrier Dynamics in CdS Nanoparticles by Femtosecond Visible-Pump/IR-Probe Measurements. Journal of Physical Chemistry B, 2006, 110, 14192-14197.	1.2	16
238	Theoretical analysis of the potential distribution and transportation behavior of the ordered alkyl monolayerâ€“silicon junction. Physical Chemistry Chemical Physics, 2006, 8, 5653-5658.	1.3	3
239	Electrochemical Metal Deposition on Top of an Organic Monolayer. Journal of Physical Chemistry B, 2006, 110, 17570-17577.	1.2	56
240	Unfolding, Aggregation, and Amyloid Formation by the Tetramerization Domain from Mutant p53 Associated with Lung Cancerâ€. Biochemistry, 2006, 45, 1608-1619.	1.2	67
241	Photoinduced Surface Dynamics of CO Adsorbed on a Platinum Electrode. Journal of Physical Chemistry B, 2006, 110, 15055-15058.	1.2	23
242	Structure and Reactivity of Alkoxycarbonyl (Ester)-Terminated Monolayers on Silicon:Â Sum Frequency Generation Spectroscopy. Journal of Physical Chemistry B, 2006, 110, 4892-4899.	1.2	25
243	Cyclic Diaminocarbeneâ€“Rhodium(I) Complex Tethered to Disulfide: Synthesis and Application to Gold Surface Modification. Chemistry Letters, 2006, 35, 870-871.	0.7	5
244	Immobilization of a Binuclear Ruthenium(III) Complex on a Gold (111) Surface: Observations of Proton-coupled Electron Transfer and Electrochemical Durability in Aqueous Media. Chemistry Letters, 2006, 35, 1178-1179.	0.7	15
245	Platinum Layer Formation on a Self-assembled Monolayer by Electrochemical Deposition. Chemistry Letters, 2006, 35, 258-259.	0.7	20
246	Luminescent properties of CdS nanoclusters dispersed in solutionâ€”Effects of size and surface termination. Journal of Photochemistry and Photobiology A: Chemistry, 2006, 178, 156-161.	2.0	10
247	Photopatterning of an Organic Monolayer Formed on a Si Single Crystal Surface via Siâ€“C Covalent Bond by UV Irradiation in an Inert Atmosphere. Japanese Journal of Applied Physics, 2006, 45, 8961-8966.	0.8	6
248	Pattern Classification by Evolutionary RBF Networks Ensemble Based on Multi-objective Optimization. , 2006, , .		3
249	Observation of Solid/Solution Interface Structures in Atomic and Molecular Resolution. Hyomen Kagaku, 2006, 27, 576-580.	0.0	0
250	Investigation of Interfacial Structure of Electrode/Electrolyte Interfaces by Nonlinear Spectroscopic Techniques. Hyomen Kagaku, 2006, 27, 595-600.	0.0	1
251	Molecular Orientation of Self-assembled Monolayer of Octadecanethiol on Platinum Surface Studied by Femtosecond Broad-bandwidth Sum Frequency Generation Spectroscopy. Chemistry Letters, 2005, 34, 950-951.	0.7	20
252	Effect of Excitation Wavelength on Ultrafast Electronâ€“Hole Recombination in Titanium(IV) Oxide Powders Irradiated by Femtosecond Laser Pulses. Chemistry Letters, 2005, 34, 694-695.	0.7	13

#	Article	IF	Citations
253	Highly-Sensitive Determination of 6-Mercaptopurine and Its Metabolites by Electrochemical Reductive Desorption Measurements. Electroanalysis, 2005, 17, 965-968.	1.5	22
254	Photoconversion of a Redox-Active Self-Assembled Monolayer: In Situ Probing of Photoinduced CO Dissociation from a Triruthenium Cluster Center on Gold. Angewandte Chemie - International Edition, 2005, 44, 416-419.	7.2	29
255	Oxidation States and CO Ligand Exchange Kinetics in a Self-Assembled Monolayer of a Triruthenium Cluster Studied by In Situ Infrared Spectroscopy. Chemistry - A European Journal, 2005, 11, 5040-5054.	1.7	40
256	Optical Recognition of Surface Chirality at Au(hkl) Single Crystalline Surfaces by Second Harmonic Generation Rotational Anisotropy. Journal of the American Chemical Society, 2005, 127, 12743-12746.	6.6	18
257	Electrochemical Assembly and Potential-Dependent Plasmon Absorption of Au Nanoclusters Covered with a 4-Aminothiophenol Self-Assembled Monolayer. Journal of Physical Chemistry B, 2005, 109, 9897-9904.	1.2	23
258	Electrodeposition of Flattened Cu Nanoclusters on a p-GaAs(001) Electrode Monitored by in situ Optical Second Harmonic Generation. Journal of Physical Chemistry B, 2005, 109, 5021-5032.	1.2	9
259	In Situ Dynamic Monitoring of Electrochemical Oxidative Adsorption and Reductive Desorption Processes of a Self-Assembled Monolayer of Hexanethiol on a Au(111) Surface in KOH Ethanol Solution by Scanning Tunneling Microscopy. Langmuir, 2005, 21, 4024-4033.	1.6	36
260	Ultrafast dynamics in CdSSe-doped glasses. Journal of Materials Science, 2004, 39, 5857-5859.	1.7	2
261	Potential-dependent structure of the interfacial water on the gold electrode. Surface Science, 2004, 573, 11-16.	0.8	88
262	Electrocatalytic reduction of oxygen to water at Au nanoclusters vacuum-evaporated on boron-doped diamond in acidic solution. Electrochemistry Communications, 2004, 6, 773-779.	2.3	72
263	Photophysical and photoelectrochemical characteristics of multilayers of CdS nanoclusters. Faraday Discussions, 2004, 125, 39.	1.6	15
264	Electrochemical Control of CO/NO Ligand Exchange in a Triruthenium Cluster Monolayer Assembled on a Gold Electrode Surface. Journal of the American Chemical Society, 2004, 126, 7434-7435.	6.6	52
265	Electron Transfer through Organic Monolayers Directly Bonded to Silicon Probed by Current Sensing Atomic Force Microscopy:Â Effect of Chain Length and Applied Force. Journal of Physical Chemistry B, 2004, 108, 17129-17135.	1.2	58
266	Decomposition Processes of an Organic Monolayer Formed on Si(111) via a SiliconCarbon Bond Induced by Exposure to UV Irradiation or Ozone. Langmuir, 2004, 20, 1207-1212.	1.6	55
267	Evidence for Epitaxial Arrangement and High Conformational Order of an Organic Monolayer on Si(111) by Sum Frequency Generation Spectroscopy. Journal of the American Chemical Society, 2004, 126, 7034-7040.	6.6	52
268	Interfacial Water Structure at As-Prepared and UV-Induced Hydrophilic TiO2Surfaces Studied by Sum Frequency Generation Spectroscopy and Quartz Crystal Microbalance. Journal of Physical Chemistry B, 2004, 108, 19086-19088.	1.2	104
269	Electrochemical Oxidative Formation and Reductive Desorption of a Self-Assembled Monolayer of Decanethiol on a Au(111) Surface in KOH Ethanol Solution. Journal of Physical Chemistry B, 2004, 108, 6422-6428.	1.2	61
270	Preparation of Cocrystals of 2-Amino-3-nitropyridine with Benzenesulfonic Acids for Second-Order Nonlinear Optical Materials. Crystal Growth and Design, 2004, 4, 807-811.	1.4	74

#	Article	IF	Citations
271	Cocrystals of 2-AMINO-5-Nitropyridine with Benzenesulfonic Acids for Second-Order Nonlinear Optical Materials. Molecular Crystals and Liquid Crystals, 2004, 420, 79-89.	0.4	5
272	Cocrystals of 2-AMINO-5-Nitropyridine with Benzenesulfonic Acids for Second Order Nonlinear Optical Materials. Molecular Crystals and Liquid Crystals, 2004, 414, 77-86.	0.4	1
273	Construction of Organic Monolayers with Electron Transfer Function on a Hydrogen Terminated Si(111) Surface via Siliconâ€“Carbon Bond and Their Electrochemical Characteristics in Dark and Under Illumination. Chemistry Letters, 2004, 33, 788-789.	0.7	16
274	Femtosecond Visible Pump Mid-IR Probe Study on the Effects of Surface Treatments on Ultrafast Photogenerated Carrier Dynamics in n-GaAs (100) Crystals. Chemistry Letters, 2004, 33, 604-605.	0.7	3
275	Title is missing!. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 529-534.	0.2	0
276	Sum Frequency Generation Studies on the Hydrogen Terminated Si Surface. Shinku/Journal of the Vacuum Society of Japan, 2004, 47, 439-445.	0.2	1
277	Title is missing!. Angewandte Chemie, 2003, 115, 3018-3021.	1.6	16
278	Electrochemically Controlled Layer-by-Layer Deposition of Metal-Cluster Molecular Multilayers on Gold. Angewandte Chemie - International Edition, 2003, 42, 2912-2915.	7.2	94
279	Electrochemical oxidative adsorption and reductive desorption of a self-assembled monolayer of decanethiol on the Au(111) surface in KOH+ethanol solution. Journal of Electroanalytical Chemistry, 2003, 550-551, 321-325.	1.9	47
280	Electron and ion transport through multilayers of Au nanoclusters covered by self-assembled monolayers. Journal of Electroanalytical Chemistry, 2003, 554-555, 385-393.	1.9	35
281	Characterization of self-assembled monolayers of alkanethiol on GaAs surface by contact angle and angle-resolved XPS measurements. Surface Science, 2003, 529, 163-170.	0.8	63
282	Probing a molecular electronic transition by two-colour sum-frequency generation spectroscopy. Applied Surface Science, 2003, 212-213, 797-803.	3.1	14
283	Structural Changes in Poly(2-methoxyethyl acrylate) Thin Films Induced by Absorption of Bisphenol A. An Infrared and Sum Frequency Generation (SFG) Study. Macromolecules, 2003, 36, 5694-5703.	2.2	96
284	Surface Molecular Structures of Langmuirâ^'Blodgett Films of Stearic Acid on Solid Substrates Studied by Sum Frequency Generation Spectroscopy. Langmuir, 2003, 19, 2238-2242.	1.6	80
285	Quantitative analysis of defective sites in titanium(IV) oxide photocatalyst powders. Physical Chemistry Chemical Physics, 2003, 5, 778-783.	1.3	217
286	Construction and electrochemical characteristics of multilayer assemblies of Au nanoclusters protected by mixed self-assembled monolayers on tin-doped indium oxide. Physical Chemistry Chemical Physics, 2003, 5, 5279.	1.3	23
287	Dielectric properties of organic monolayers directly bonded on silicon probed by current sensing atomic force microscope. Applied Physics Letters, 2003, 83, 2034-2036.	1.5	51
288	Formation and electric property measurement of nanosized patterns of tantalum oxide by current sensing atomic force microscope. Journal of Applied Physics, 2003, 94, 7733.	1.1	9

#	Article	IF	Citations
289	Surface Film Formation and Lithium Underpotential Deposition on Au(111) Surfaces in Propylene Carbonate. Journal of the Electrochemical Society, 2003, 150, A532.	1.3	18
290	Direct Proof for Electrochemical Substitution of Surface Hydrogen of Boron-doped Diamond Electrode by TOFâ€“ESD Method. Chemistry Letters, 2003, 32, 1050-1051.	0.7	7
291	æ”¾å°„å…‰ã«ã‚ˆã‚‹é›»æ°—åŒ–å¦å¿œæ€§è©•ä¾¡. Hyomen Gijutsu/Journal of the Surface Finishing Society of Japan, 2003, 54, 96	0.1	3
292	Surface X-ray Scattering Technique for Electrode-In situ Structural Study on Electrodeposited Metal Layers on Au(111) Single Crystal Electrode-. Hyomen Kagaku, 2003, 24, 734-739.	0.0	1
293	Heteroepitaxial growth of CdTe on a p-Si(111) substrate by pulsed-light-assisted electrodeposition. Applied Physics Letters, 2002, 80, 2117-2119.	1.5	18
294	In Situ Study of Ultrathin Film Formation on Au(111) Surface in Propylene Carbonate by Scanning Tunneling Microscopy under Potential Control. Journal of the Electrochemical Society, 2002, 149, E286.	1.3	0
295	The Effects of Nitrogen and Plasma Power on Electrochemical Properties of Boron-Doped Diamond Electrodes Grown by MPCVD. Journal of the Electrochemical Society, 2002, 149, E1.	1.3	4
296	Formation of Organic Monolayer on a Hydrogen Terminated Si(111) SurfaceviaSilicon-Carbon Bond Monitored by ATR FT-IR and SFG Spectroscopy: Effect of Orientational Order on the Reaction Rate. Chemistry Letters, 2002, 31, 208-209.	0.7	22
297	Enantioselective Adsorption of Phenylalanine onto Self-Assembled Monolayers of 1,1â€˜-Binaphthalene-2,2â€˜-dithiol on Gold. Journal of the American Chemical Society, 2002, 124, 740-741.	6.6	44
298	Formation of Nanopatterns of a Self-Assembled Monolayer (SAM) within a SAM of Different Molecules Using a Current Sensing Atomic Force Microscope. Nano Letters, 2002, 2, 137-140.	4.5	73
299	Evidence for the Diffusion of Au Atoms into the Te UPD Layer Formed on a Au(111) Substrate. Journal of the Electrochemical Society, 2002, 149, C83.	1.3	7
300	Electron and ion transfer through multilayers of gold nanoclusters covered by self-assembled monolayers of alkylthiols with various functional groups. Faraday Discussions, 2002, 121, 373-389.	1.6	50
301	Mechanism for nucleation and growth of electrochemical palladium deposition on an Au(111) electrode. Journal of Electroanalytical Chemistry, 2002, 520, 126-132.	1.9	64
302	A novel spectroelectrochemical cell for in situ surface X-ray scattering measurements of single crystal disk electrodes. Electrochimica Acta, 2002, 47, 3075-3080.	2.6	35
303	Second harmonic generation study on electrochemical deposition of palladium on a polycrystalline gold electrode. Journal of Electroanalytical Chemistry, 2002, 524-525, 184-193.	1.9	15
304	In situ structural study on underpotential deposition of Ag on Au(111) electrode using surface X-ray scattering technique. Journal of Electroanalytical Chemistry, 2002, 532, 201-205.	1.9	61
305	A rotating gold ringâ€“gold disk electrode study on electrochemical reductive desorption and oxidative readsorption of a self-assembled monolayer of dodecanethiol. Journal of Electroanalytical Chemistry, 2002, 538-539, 59-63.	1.9	34
306	Preparation of Polycrystalline TiO2Photocatalysts Impregnated with Various Transition Metal Ions:Â Characterization and Photocatalytic Activity for the Degradation of 4-Nitrophenol. Journal of Physical Chemistry B, 2002, 106, 637-645.	1.2	460

#	Article	IF	Citations
307	Electrochemical Epitaxial Growth, Structure, and Electrocatalytic Properties of Noble Metal Thin Films on Au(111) and Au(100). , 2002, , 17-35.		6
308	Control of the Charge-Transfer Rate at a Gold Electrode Modified with a Self-Assembled Monolayer Containing Ferrocene and Azobenzene by Electro- and Photochemical Structural Conversion of Cis and Trans Forms of the Azobenzene Moiety. Langmuir, 2001, 17, 6317-6324.	1.6	73
309	Synthesis, Structure, and Second-Harmonic Generation of Noncentrosymmetric Cocrystals of 2-Amino-5-nitropyridine with Achiral Benzenesulfonic Acids. Crystal Growth and Design, 2001, 1, 467-471.	1.4	50
310	Stability of the Siâ€“H bond on the hydrogen-terminated Si(111) surface studied by sum frequency generation. Surface Science, 2001, 476, 121-128.	0.8	41
311	A ligand substitution reaction of oxo-centred triruthenium complexes assembled as monolayers on gold electrodes. Physical Chemistry Chemical Physics, 2001, 3, 3420-3426.	1.3	28
312	Photocatalytic activity of transition-metal-loaded titanium(IV) oxide powders suspended in aqueous solutions: Correlation with electronâ€“hole recombination kinetics. Physical Chemistry Chemical Physics, 2001, 3, 267-273.	1.3	192
313	Sum frequency generation (SFG) study of the pH-dependent water structure on a fused quartz surface modified by an octadecyltrichlorosilane (OTS) monolayer. Physical Chemistry Chemical Physics, 2001, 3, 3463-3469.	1.3	171
314	A Novel Nanolithography Technique for Self-Assembled Monolayers Using a Current Sensing Atomic Force Microscope. Langmuir, 2001, 17, 7784-7788.	1.6	37
315	Structural Investigation of the Self-Assembled Monolayer of Decanethiol on the Reconstructed and (1Ã—1)-Au(100) Surfaces by Scanning Tunneling Microscopy. Langmuir, 2001, 17, 4148-4150.	1.6	24
316	In Situ, Real-Time Monitoring of the Reductive Desorption Process of Self-Assembled Monolayers of Hexanethiol on Au(111) Surfaces in Acidic and Alkaline Aqueous Solutions by Scanning Tunneling Microscopy. Langmuir, 2001, 17, 8224-8228.	1.6	74
317	Formation and Electrochemical Characteristics of Multilayers of Au Nanoclusters Covered by Mixed Self-Assembled Monolayers of Three Kinds of Alkanethiols with Methyl, Ferrocene, or Carboxylate Terminal Group on Au(111) Surface. Chemistry Letters, 2001, 30, 930-931.	0.7	10
318	Conformational Order of Octadecanethiol (ODT) Monolayer at Gold/Solution Interface: Internal Reflection Sum Frequency Generation (SFG) Study. Studies in Surface Science and Catalysis, 2001, , 705-710.	1.5	9
319	Anion effect on the electrochemical characteristics of a gold electrode modified with a self-assembled monolayer of ferrocenylhexanethiol in aqueous and dichloromethane solutions. Journal of Organometallic Chemistry, 2001, 637-639, 841-844.	0.8	40
320	Fluctuations of electric variables in Debyeâ€“HÃ¼ckel electrolyte at a neutral hard wall. Electrochimica Acta, 2001, 46, 3051-3055.	2.6	3
321	Sum frequency generation study on the molecular structures at the interfaces between quartz modified with amino-terminated self-assembled monolayer and electrolyte solutions of various pH and ionic strengths. Electrochimica Acta, 2001, 46, 3057-3061.	2.6	46
322	Thickness dependent electrochemical reactivity of epitaxially electrodeposited palladium thin layers on Au(111) and Au(100) surfaces. Journal of Electroanalytical Chemistry, 2001, 500, 435-445.	1.9	94
323	Spectroscopic Studies on Electroless Deposition of Copper on a Hydrogen-Terminated Si(111) Surface in Fluoride Solutions. Journal of the Electrochemical Society, 2001, 148, C421.	1.3	44
324	Spectroscopic Studies on Electroless Deposition of Copper on a Hydrogen-Terminated Si(111) Surface in Fluoride Solutions [Journal of The Electrochemical Society, 148, C421 (2001)]. Journal of the Electrochemical Society, 2001, 148, L6.	1.3	2

#	Article	IF	Citations
325	Effect of Surface Morphology of a Gold Substrate on Photocurrent Efficiency at a Gold Electrode Modified with a Self-Assembled Monolayer of a Porphyrinâ€“Ferroceneâ€“Thiol Linked Molecule. Chemistry Letters, 2000, 29, 964-965.	0.7	31
326	pH-Dependent Water Structure at a Quartz Surface Modified with an Amino-Terminated Monolayer Studied by Sum Frequency Generation (SFG). Chemistry Letters, 2000, 29, 734-735.	0.7	21
327	Electrocatalytic reactivity for oxygen reduction at epitaxially grown Pd thin layers of various thickness on Au(111) and Au(100). Electrochimica Acta, 2000, 45, 3305-3309.	2.6	116
328	In Situ Optical and Electrochemical AFM Monitoring of Cu Electrodeposition Process on Bare and (NH[sub 4])[sub 2]S-Treated p-GaAs(001) Surfaces. Journal of the Electrochemical Society, 2000, 147, 3356.	1.3	3
329	Effect of Temperature on Structure of the Self-Assembled Monolayer of Decanethiol on Au(111) Surface. Langmuir, 2000, 16, 5523-5525.	1.6	146
330	Pseudomorphic growth of Pd monolayer on Au(111) electrode surface. Surface Science, 2000, 461, 213-218.	0.8	88
331	Characterization of novel redox-active triruthenium(III) complexes with a disulfide alkyl ligand. Anion-dependent redox behaviour of monolayer assemblies on goldâ€Šâ€. Dalton Transactions RSC, 2000, , 2693-2702.	2.3	31
332	Coupling of Ground-State Molecular Vibrations to Low-Energy Electronic Transition of Ruthenium(III,II) Porphyrin Dimers. Journal of the American Chemical Society, 2000, 122, 9032-9033.	6.6	15
333	Two-Dimensional Crystals of Alkanes Formed on Au(111) Surface in Neat Liquid:Â Structural Investigation by Scanning Tunneling Microscopy. Journal of Physical Chemistry B, 2000, 104, 6021-6027.	1.2	68
334	Structural Study of Electrochemically Deposited Cu on p-GaAs(100) in H2SO4 Solution by In Situ Surface-Sensitive X-ray Absorption Fine Structure Measurements. Journal of Physical Chemistry B, 2000, 104, 9017-9024.	1.2	30
335	Electrode Potential Effect on the Surface pKa of a Self-Assembled 15-Mercaptohexadecanoic Acid Monolayer on a Gold/Quartz Crystal Microbalance Electrode. Langmuir, 2000, 16, 7101-7105.	1.6	78
336	In Situ Observation of the Two-Dimensional Crystals of Alkanes on a Reconstructed Au(100) Surface in Neat Liquid by Scanning Tunneling Microscopy. Langmuir, 2000, 16, 4413-4415.	1.6	14
337	Molecular Orientation and Electrochemical Stability of Azobenzene Self-Assembled Monolayers on Gold:Â An In-Situ FTIR Study. Langmuir, 2000, 16, 6948-6954.	1.6	28
338	Structure and Photoelectrochemical Properties of Laminated Monoparticle Layers of CdS and ZnS on Gold. Japanese Journal of Applied Physics, 1999, 38, 518-521.	0.8	28
339	Epitaxial growth of a palladium layer on an Au(100) electrode. Journal of Electroanalytical Chemistry, 1999, 473, 2-9.	1.9	63
340	Synthesis and electrochemical characterization of self-assembled monolayers of redox-active oxide-bridged triruthenium(III) clusters on Au(111). Journal of Electroanalytical Chemistry, 1999, 473, 93-98.	1.9	21
341	Post-assembly insertion of metal ions into thiol-derivatized porphyrin monolayers on gold. Journal of Electroanalytical Chemistry, 1999, 473, 75-84.	1.9	62
342	Electrochemical deposition of palladium on an Au(111) electrode: effects of adsorbed hydrogen for a growth mode. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 1999, 154, 201-208.	2.3	47

#	Article	IF	Citations
343	Two-Dimensional Chirality:â€‰Self-Assembled Monolayer of an Atropisomeric Compound Covalently Bound to a Gold Surface. Journal of the American Chemical Society, 1999, 121, 6515-6516.	6.6	71
344	Coverage dependent behavior of redox reaction induced structure change and mass transport at an 11-ferrocenyl-1-undecanethiol self-assembled monolayer on a gold electrode studied by an in situ IRRASâ€“EQCM combined system. Physical Chemistry Chemical Physics, 1999, 1, 3653-3659.	1.3	68
345	Attenuated total reflection Fourier transform infrared spectroscopy study of the adsorption of organic contaminants on a hydrogen-terminated Si(111) surface in air. Applied Physics Letters, 1999, 75, 1562-1564.	1.5	49
346	Electrochemical Control of the Second Harmonic Generation Property of Self-Assembled Monolayers Containing atrans-Ferrocenyl-Nitrophenyl Ethylene Group on Gold. Journal of the American Chemical Society, 1999, 121, 391-398.	6.6	68
347	Formation of Self-Assembled Monolayers of Alkanethiols on GaAs Surface with in Situ Surface Activation by Ammonium Hydroxide. Langmuir, 1999, 15, 8577-8579.	1.6	71
348	Formation of Two-Dimensional Crystals of Alkanes on the Au(111) Surface in Neat Liquid. Journal of the American Chemical Society, 1999, 121, 4090-4091.	6.6	95
349	Anisotropic Dissolution of an Au(111) Electrode in Perchloric Acid Solution Containing Chloride Anion Investigated by in Situ STMThe Important Role of Adsorbed Chloride Anion. Langmuir, 1999, 15, 807-812.	1.6	75
350	Solvent Effect on the Structure of the Self-Assembled Monolayer of Alkanethiol. Chemistry Letters, 1999, 28, 667-668.	0.7	60
351	Visible Electroluminescence from nâ€Type Porous Silicon/Electrolyte Solution Interfaces: Timeâ€Dependent Electroluminescence Spectra. Journal of the Electrochemical Society, 1999, 146, 4166-4171.	1.3	10
352	Self-Assembled Monolayers of Non-Heme Diiron(III) Model Complexes on Au(111) Electrode: Synthesis and Proton-Coupled Redox Behavior in Water. Chemistry Letters, 1999, 28, 1097-1098.	0.7	11
353	Effects of Alkylchain Length on the Efficiency of Photoinduced Electron Transfer at Gold Electrodes Modified with Self-Assembled Monolayers of Molecules Containing Porphyrin, Ferrocene and Thiol Separated each other by Alkylchains. Zeitschrift Fur Physikalische Chemie, 1999, 212, 23-30.	1.4	42
354	Studies of the â€œElectrochemistry of Ordered Interfacesâ€•for a Better Society. Electrochemistry, 1999, 67, 1104-1104.	0.6	2
355	Formation and Novel Functions of Self-assembled Monolayers of Thiol Derivatives. Electrochemistry, 1999, 67, 1105-1113.	0.6	19
356	Electrochemical and Infrared Spectroelectrochemical Characterization of Self-Assembled Monolayers of a Carbonyl-Coordinated Trinuclear Ruthenium Complex on a Gold Electrode. Electrochemistry, 1999, 67, 1162-1164.	0.6	10
357	Structure Dependence of the Surface p<i>Ka</i> of Mercaptoundecanoic Acid SAM on Gold. Electrochemistry, 1999, 67, 1172-1174.	0.6	30
358	Frontiers of Photo-catalysis and Photo-reaction at Solid Surfaces. Visible-Light-Induced Electron Transfer at Electrodes Modified with Self-Assembled Monolayers.. Hyomen Kagaku, 1999, 20, 108-114.	0.0	0
359	Tip-induced nanoscale electrochemical deposition of palladium and platinum on an Au(111) electrode surface. Applied Physics A: Materials Science and Processing, 1998, 66, S457-S461.	1.1	14
360	Effect of immobilized electron relay on the interfacial photoinduced electron transfer at a layered inorganicâ€“organic composite film on gold. Journal of Electroanalytical Chemistry, 1998, 455, 229-234.	1.9	19

#	Article	IF	Citations
361	Electrochemical Layer-by-Layer Growth of Palladium on an Au(111) Electrode Surface:â€‰ Evidence for Important Role of Adsorbed Pd Complex. Journal of Physical Chemistry B, 1998, 102, 4366-4373.	1.2	132
362	Real time monitoring of electrochemical deposition of tellurium on Au(111) electrode by optical second harmonic generation technique. Surface Science, 1998, 406, 1-8.	0.8	18
363	Determination of Thickness of a Self-Assembled Monolayer of Dodecanethiol on Au(111) by Angle-Resolved X-ray Photoelectron Spectroscopy. Langmuir, 1998, 14, 5656-5658.	1.6	52
364	Scanning tunnelling microscopy study of the self assembly of 2-mercaptopyrimidine and 4,6-dimethyl-2-mercaptopyrimidine on Au(111). Journal of the Chemical Society, Faraday Transactions, 1998, 94, 1315-1319.	1.7	14
365	In Situ Scanning Tunneling Microscopy Observation of the Self-Assembly Process of Alkanethiols on Gold(111) in Solution. Langmuir, 1998, 14, 855-861.	1.6	174
366	Monitoring Electron Transfer in an Azobenzene Self-Assembled Monolayer byin SituInfrared Reflection Absorption Spectroscopy. Langmuir, 1998, 14, 619-624.	1.6	35
367	Fabrication and Characterization of CdS-Nanoparticle Mono- and Multilayers on a Self-Assembled Monolayer of Alkanedithiols on Gold. Journal of Physical Chemistry B, 1998, 102, 1571-1577.	1.2	194
368	In Situ Optical Second Harmonic Rotational Anisotropy Measurements of an Au(111) Electrode during Electrochemical Deposition of Tellurium. Journal of Physical Chemistry B, 1998, 102, 2677-2683.	1.2	25
369	An In Situ Electrochemical Quartz Crystal Microbalance Study of the Dissolution Process of a Gold Electrode in Perchloric Acid Solution Containing Chloride Ion. Journal of the Electrochemical Society, 1998, 145, 1614-1623.	1.3	64
370	In situx-ray standing-wave analysis of electrodeposited Cu monolayers on GaAs(001). Physical Review B, 1998, 58, 10800-10805.	1.1	17
371	Angle-Resolved X-Ray Photoelectron Spectroscopic Study on a Self-Assembled Monolayer of a Porphyrinâ€“Ferroceneâ€“Thiol Linked Molecule on Gold: Evidence for a Highly Ordered Arrangement for Efficient Photoinduced Electron Transfer. Bulletin of the Chemical Society of Japan, 1998, 71, 2555-2559.	2.0	51
372	Surface Mass Titrations of Self-Assembled Monolayers of Ï‰-Mercaptoalkanoic Acids on Gold. Chemistry Letters, 1998, 27, 669-670.	0.7	50
373	Surface Functionalization of Doped CVD Diamond via Covalent Bond. An XPS Study on the Formation of Surface-bound Quaternary Pyridinium Salt. Chemistry Letters, 1998, 27, 953-954.	0.7	34
374	Femtosecond Diffuse Reflectance Spectroscopy of Aqueous Titanium(IV) Oxide Suspension: Correlation of Electron-Hole Recombination Kinetics with Photocatalytic Activity. Chemistry Letters, 1998, 27, 579-580.	0.7	107
375	Kinetic Coupling of Formaldehyde Oxidation and Oxide Formation on a Platinum Electrode. Bulletin of the Chemical Society of Japan, 1998, 71, 67-71.	2.0	5
376	In Situ Infrared Spectroscopic Studies of Adsorption of Lactic Acid and Related Compounds on the TiO2and CdS Semiconductor Photocatalyst Surfaces from Aqueous Solutions. Chemistry Letters, 1998, 27, 849-850.	0.7	32
377	Construction of Semiconductor Nanoparticle Layers on Gold by Self-Assembly Technique. Japanese Journal of Applied Physics, 1997, 36, 4053-4056.	0.8	29
378	Local structures of isovalent and heterovalent dilute impurities in Si crystal probed by fluorescence x-ray absorption fine structure. Journal of Applied Physics, 1997, 82, 4810-4815.	1.1	26

#	Article	IF	Citations
379	Formation of Molecularly Ordered Domain of 1-Decanethiol in the Mixed Self-Assembled Monolayer with Bis(4-pyridyl)disulfide - A Scanning Tunneling Microscopy Observation. Chemistry Letters, 1997, 26, 987-988.	0.7	14
380	Coverage Dependent Structure of Electrochemically Deposited Cu onp-GaAs(100) in H2SO4Solution Determined byIn SituSurface X-Ray Absorption Fine Structure Spectra. Chemistry Letters, 1997, 26, 761-762.	0.7	6
381	Structure of the GaAs(100) Surface During Electrochemical Reactions Determined by Electrochemical Atomic Force Microscopy. ACS Symposium Series, 1997, , 189-201.	0.5	3
382	Electrochemical Atomic Force Microscopy Study on the Surface Structure of a Lead Electrode during Redox Processes and Surface Atomic Arrangement of Electrochemically Formed PbSO4in H2SO4Solution. Langmuir, 1997, 13, 3557-3562.	1.6	12
383	Excitation Wavelength Dependent Three-Wave Mixing at a CO-Covered Platinum Electrode. Journal of Physical Chemistry B, 1997, 101, 7414-7421.	1.2	26
384	Adsorption of Hexachloroplatinate Complex on Au(111) Electrode. Anin SituScanning Tunneling Microscopy and Electrochemical Quartz Microbalance Study. Langmuir, 1997, 13, 594-596.	1.6	35
385	In Situ, Real Time Monitoring of the Self-Assembly Process of Decanethiol on Au(111) in Liquid Phase. A Scanning Tunneling Microscopy Investigation. Langmuir, 1997, 13, 5218-5221.	1.6	126
386	Photoelectrochemical and Photoluminescence (PL) Properties of p-Type Porous Silicon/Electrolyte Solution Interface:Â Potential Dependent PL Spectra as a Result of Size Dependent Quenching. Journal of Physical Chemistry B, 1997, 101, 4978-4981.	1.2	11
387	Electrochemical Epitaxial Growth of a Pt(111) Phase on an Au(111) Electrode. Journal of Physical Chemistry B, 1997, 101, 7566-7572.	1.2	118
388	Redox-Induced Orientation Change of a Self-Assembled Monolayer of 11-Ferrocenyl-1-undecanethiol on a Gold Electrode Studied by in Situ FT-IRRAS. Langmuir, 1997, 13, 3157-3161.	1.6	130
389	Very Efficient Visible-Light-Induced Uphill Electron Transfer at a Self-Assembled Monolayer with a Porphyrinâ^'Ferroceneâ^'Thiol Linked Molecule. Journal of the American Chemical Society, 1997, 119, 8367-8368.	6.6	282
390	Reaction pathway of four-electron oxidation of formaldehyde on platinum electrode as observed by in situ optical spectroscopy. Surface Science, 1997, 386, 82-88.	0.8	42
391	STM Investigation of Self-Assembly Process of Decanethiol on Au (111). Electrochemistry, 1997, 65, 440-443.	0.3	4
392	Structural study of electrochemically deposited copper on p-GaAs(001) by atomic force microscopy and surface X-ray absorption fine structure measurement. Applied Surface Science, 1997, 121-122, 102-106.	3.1	5
393	pH-dependent photoinduced electron transfer at the gold electrode modified with a self-assembled monolayer of a porphyrin-mercaptoquinone coupling molecule. Journal of Electroanalytical Chemistry, 1997, 438, 121-126.	1.9	54
394	In situ observation of anodic dissolution process of p-GaAs(001) in HCl solution by surface X-ray diffraction. Journal of Electroanalytical Chemistry, 1997, 429, 13-17.	1.9	10
395	Mass transport accompanied with electron transfer between the gold electrode modified with 11-ferrocenylundecanethiol monolayer and redox species in solution â€" an electrochemical quartz crystal microbalance study. Journal of Electroanalytical Chemistry, 1997, 434, 115-119.	1.9	13
396	Layer-by-layer self-assembly of composite films of CdS nanoparticle and alkanedithiol on gold: an X-ray photoelectron spectroscopic characterization. Chemical Physics Letters, 1997, 278, 233-237.	1.2	62

#	Article	IF	Citations
397	Local structures of isovalent and heterovalent dilute impurities in Si crystal probed by fluorescence x-ray absorption fine structure. Nihon Kessho Gakkaishi, 1997, 39, 116-116.	0.0	0
398	Potential Dependent Orientation and Oxidative Decomposition of Mercaptoalkanenitrile Monolayers on Gold. An in Situ Fourier Transform Infrared Spectroscopy Study. Langmuir, 1996, 12, 2726-2736.	1.6	47
399	AFM tip induced selective electrochemical etching of and metal deposition on p-GaAs(100) surface. Surface Science, 1996, 357-358, 565-570.	0.8	23
400	Visible Electroluminescence from p-Type Porous Silicon in Electrolyte Solution. The Journal of Physical Chemistry, 1996, 100, 4564-4570.	2.9	8
401	Electrochemical in situ FT-IRRAS studies of a self-assembled monolayer of 2-(11-mercaptoundecyl)hydroquinone. Journal of the Chemical Society, Faraday Transactions, 1996, 92, 3813.	1.7	67
402	Study of the Electronic Structure of GaAs(100) Single Crystal Electrode/Electrolyte Interfaces by Electrochemical Tunneling Spectroscopy. Bulletin of the Chemical Society of Japan, 1996, 69, 275-288.	2.0	7
403	In situOptical Second Harmonic Generation Study of Electrochemical Oxidation of Formaldehyde on a Polycrystalline Platinum Electrode. Chemistry Letters, 1996, 25, 529-530.	0.7	7
404	Dissociative adsorption dynamics of formaldehyde on a platinum electrode surface; one-dimensional domino?. Chemical Physics, 1996, 205, 269-275.	0.9	26
405	Photoelectrochemical characteristics of a self-assembled monolayer of porphyrin-mercaptoquinone coupling molecules. Thin Solid Films, 1996, 284-285, 652-655.	0.8	48
406	Formation and characterization of thiol-derivatized zinc (II) porphyrin monolayers on gold. Thin Solid Films, 1996, 273, 250-253.	0.8	63
407	In situ optical second harmonic generation studies of electrochemical deposition of tellurium on polycrystalline gold electrodes. Journal of Electroanalytical Chemistry, 1996, 401, 95-101.	1.9	42
408	Electrochemical properties of the 2-mercaptohydroquinone monolayer on a gold electrode. Effect of solution pH, adsorption time and concentration of the modifying solution. Journal of Electroanalytical Chemistry, 1996, 409, 145-154.	1.9	105
409	Atomic structure of bare p-GaAs(100) and electrodeposited Cu on p-GaAs(100) surfaces in H2SO4 solutions: an AFM study. Journal of Electroanalytical Chemistry, 1996, 409, 45-50.	1.9	19
410	Nonlinear Iron Electrochemical Oscillator: Coupling and Photo Effects. Journal of the Electrochemical Society, 1996, 143, 2258-2262.	1.3	31
411	System parameter estimation by evolutionary strategy. , 1996, , .		10
412	Dissipation Structure of Electrochemical Hydrodynamic Convection. The Journal of Physical Chemistry, 1996, 100, 714-717.	2.9	13
413	Time Dependent Electroluminescence Spectra at n-type Porous Silicon/Electrolyte Solution Interface Induced by Hole Injection. Chemistry Letters, 1995, 24, 667-668.	0.7	3
414	Long-Life Excited States of CdS Photocatalytic Particles. Bulletin of the Chemical Society of Japan, 1995, 68, 3049-3053.	2.0	5

#	Article	IF	Citations
415	An electrochemical AFM study on electrodeposition of copper on p-GaAs(100) surface in HCl solution. Electrochimica Acta, 1995, 40, 1345-1351.	2.6	26
416	Multi-electron oxidation of formaldehyde on a platinum electrode. Polymers for Advanced Technologies, 1995, 6, 141-143.	1.6	4
417	Characterization of Silicon Carbide-Silicon Nitride Composite Ultrafine Particles Synthesized Using a CO2 Laser by Silicon-29 Magic Angle Spinning NMR and ESR. Journal of the American Ceramic Society, 1995, 78, 83-89.	1.9	43
418	Effects of electrode potential on nanostructure of single crystalline semiconductor electrodes. Solar Energy Materials and Solar Cells, 1995, 38, 347-348.	3.0	2
419	Comment on photoelectrochemistry. Solar Energy Materials and Solar Cells, 1995, 38, 321-322.	3.0	0
420	Adsorption behavior of functionalized ferrocenylalkane thiols and disulfide onto Au and ITO and electrochemical properties of modified electrodes: Effects of acyl and alkyl groups attached to the ferrocene ring. Journal of Electroanalytical Chemistry, 1995, 381, 203-209.	1.9	80
421	Electrochemical and electrogenerated chemiluminescence properties of tris(2,2â€²-bipyridine)ruthenium(II)-tridecanethiol derivative on ITO and gold electrodes. Journal of Electroanalytical Chemistry, 1995, 384, 57-66.	1.9	107
422	Electrostatic Kerr effect at a potentiostatically controlled liquidvbliquid interface. Journal of Electroanalytical Chemistry, 1995, 396, 397-399.	1.9	1
423	Preparation of a Highly Ordered Au (111) Phase on a Polycrystalline Gold Substrate by Vacuum Deposition and Its Characterization by XRD, GISXRD, STM/AFM, and Electrochemical Measurements. The Journal of Physical Chemistry, 1995, 99, 14117-14122.	2.9	83
424	In-situ FT-IR Spectroelectrochemical Study of the Trinuclear Complex [Ru3(.mu.3-O)(.mu.-CH3COO)6(CO)(pyridine)2] in Acetonitrile. Inorganic Chemistry, 1995, 34, 4527-4528.	1.9	41
425	Chapter 3. Electrochemistry (1992â€“1995). Annual Reports on the Progress of Chemistry Section C, 1995, 92, 23-73.	4.4	3
426	On-line spectral estimation of nonstationary time series based on AR model parameter estimation and order selection with a forgetting factor. IEEE Transactions on Signal Processing, 1995, 43, 1519-1522.	3.2	45
427	In situ observation of anodic dissolution process of n-GaAs in HCl solution by electrochemical atomic force microscope. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 1543.	1.6	19
428	Photoelectrochemical kinetics of a photosynthetic cell. Journal of Electroanalytical Chemistry, 1994, 371, 111-116.	1.9	2
429	Synchronization of electrochemical oscillations with external perturbations. Chemical Physics Letters, 1994, 217, 163-166.	1.2	18
430	Photoelectrochemical reactivity of a sulfide treated p-GaAs electrode. Chemical Physics Letters, 1994, 224, 81-85.	1.2	3
431	Electrochemical quartz crystal microbalance studies of self-assembled monolayers of 11-ferrocenyl-1-undecanethiol: Structure-dependent ion-pairing and solvent uptake. Journal of Electroanalytical Chemistry, 1994, 372, 117-124.	1.9	84
432	Simultaneous detection of structural change and mass transport accompanying the redox of a ferrocenylundecanethiol monolayer with the novel FT-IR reflection absorption spectroscopy/electrochemical quartz crystal microbalance combined system. Journal of Electroanalytical Chemistry, 1994, 375, 409-413.	1.9	64

#	Article	IF	Citations
433	Dynamic Ellipsometry of a Self-Assembled Monolayer of a Ferrocenylalkanethiol during Oxidation-Reduction Cycles. Langmuir, 1994, 10, 3658-3662.	1.6	92
434	In situ observations of atomic resolution image and anodic dissolution process of p-GaAs in HCl solution by electrochemical atomic force microscope. Surface Science, 1994, 311, L737-L742.	0.8	18
435	Polarization Modulation Fourier Transform Infrared Studies of the Effects of Self-Assembly Time on the Order and Orientation of 11-Ferrocenyl-1-undecanethiol Monolayers on Gold. Bulletin of the Chemical Society of Japan, 1994, 67, 21-25.	2.0	67
436	Packing State and Stability of Self-Assembled Monolayers of 11-Ferrocenyl-1-undecanethiol on Platinum Electrodes. Bulletin of the Chemical Society of Japan, 1994, 67, 863-865.	2.0	48
437	Formation and Electrochemical Characteristics of Self-Assembled Monolayer of 11-Ferrocenylundecanethiol on Indium-Tin-Oxide. Electrochemistry, 1994, 62, 1269-1275.	0.3	6
438	In situ FT-IR Study of p-Type Porous Silicon during Electroluminescence Process. Electrochemistry, 1994, 62, 540-541.	0.3	3
439	Simultaneous UV-Vis spectroelectrochemical and quartz crystal microgravimetric measurements during the redox reaction of viologens. Journal of Electroanalytical Chemistry, 1993, 350, 321-327.	1.9	27
440	In-situ and real time monitoring of the InSe surface by atomic force microscopy with atomic resolution during electrochemical reactions. Journal of Electroanalytical Chemistry, 1993, 357, 301-306.	1.9	22
441	Electrochemical measurements under micro-gravity conditions; Diffusion limited reaction observed by potential step experiment. Journal of Electroanalytical Chemistry, 1993, 358, 333-336.	1.9	5
442	Atomic imaging of an InSe singleâ€crystal surface with atomic force microscope. Journal of Applied Physics, 1993, 74, 1675-1678.	1.1	18
443	Observation and mechanism of photon emission at metal-solution interfaces. Physical Review B, 1993, 47, 2278-2288.	1.1	4
444	Xâ€ray photoelectron spectroscopic studies of the chemical nature of asâ€prepared and NaOHâ€treated porous silicon layer. Applied Physics Letters, 1993, 62, 1676-1678.	1.5	20
445	Adaptive Optimization in Non-Stationary Environments with Hierarchical Learning. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1993, 26, 875-880.	0.4	0
446	A Photoelectrochemical Fixation of Carbon Dioxide. Spontaneous Up Quality Conversion of Organic Compound. Chemistry Letters, 1993, 22, 1747-1750.	0.7	9
447	Unidirectional Electron Transfer at Self-Assembled Monolayers of 11-Ferrocenyl-1-undecanethiol on Gold. Bulletin of the Chemical Society of Japan, 1993, 66, 1032-1037.	2.0	69
448	Electrochemical and Electrogenerated Chemiluminescence Properties of a Tris (bipyridyl) ruthenium(II)-Alkanethiol Derivative on ITO and Gold Electrodes. Electrochemistry, 1993, 61, 816-817.	0.3	12
449	Photon emission at the metal/acetonitrile solution interface: effects of redox species and electrode metal. The Journal of Physical Chemistry, 1992, 96, 4593-4598.	2.9	7
450	Photon emission at metal/solution interface induced by electron injection from solvated electrons. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1992, 10, 2981-2984.	0.9	5

#	Article	IF	Citations
451	Photoelectrochemical synthesis of phthalocyanine. Journal of the Chemical Society Perkin Transactions II, 1992, , 1331.	0.9	5
452	Application of scanning tunnelling microscopy to semiconductor/electrolyte interfaces. Faraday Discussions, 1992, 94, 361.	1.6	19
453	In situ and dynamic monitoring of the self-assembling and redox processes of a ferrocenylundecanethiol monolayer by electrochemical quartz crystal microbalance. Langmuir, 1992, 8, 1385-1387.	1.6	180
454	Scanning tunneling microscopy-tip current voltammetry studies of n-GaAs â€" effect of illumination, doping density and potential. Journal of Electroanalytical Chemistry, 1992, 336, 57-71.	1.9	4
455	Real time scanning tunneling microscope imaging of Sn electrodeposition on n-GaAs. Journal of Electroanalytical Chemistry, 1992, 337, 217-227.	1.9	8
456	Structural study of self-assembled monolayers of ferrocenylalkanethiols on gold by angleresolved X-ray photoelectron spectroscopy. Applied Organometallic Chemistry, 1992, 6, 533-536.	1.7	9
457	Novel Approaches for the Study of Surface Structure and Reactivity of Semiconductor Electrodes. , 1992, , 193-203.		0
458	Photon emission via surface state at the gold/acetonitrile solution interface. The Journal of Physical Chemistry, 1991, 95, 779-783.	2.9	8
459	Electrochemical characteristics of a gold electrode modified with a self-assembled monolayer of ferrocenylalkanethiols. Langmuir, 1991, 7, 1510-1514.	1.6	318
460	Adaptive Identification for Abruptly Changing Systems. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1991, 24, 1109-1113.	0.4	5
461	Estimation of the relaxation energy of solvated electrons in hexamethylphosphoric triamide solution from photon emission measurements. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 308, 351-356.	0.3	4
462	In-situ STM imaging of n-GaAs during anodic photocorrosion. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1991, 313, 121-128.	0.3	16
463	A self-assembled monolayer of ferrocenylalkane thiols on gold as an electron mediator for the reduction of Fe(III)-EDTA in solution. Electrochimica Acta, 1991, 36, 1799-1801.	2.6	51
464	Laser spot scanning in photoelectrochemical systems, relation between spot size and spatial resolution of the photocurrent. Journal of Applied Physics, 1991, 69, 2324-2327.	1.1	15
465	Charge Transfer Reaction Inverse Photoemission Spectroscopy (CTRIPS) at a Gold/Acetonitrile Solution Interface. Evidence for Photon Emission via Surface States. Chemistry Letters, 1990, 19, 1159-1162.	0.7	1
466	Optimal Input Design for Model Discrimination Based on the Kullback Discrimination Information: Frequency Domain Approach. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1990, 23, 191-196.	0.4	2
467	Preparation and characterization of wet poly(vinyl chloride)-polypyrolle composite film. Journal of Polymer Science Part A, 1990, 28, 399-409.	2.5	17
468	Conductivity of Nation membranes at low temperatures. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 287, 163-169.	0.3	43

#	Article	IF	Citations
469	Electrochemical characteristics of silver treated cadmium selenide single crystal electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 283, 167-176.	0.3	3
470	STM characteristics of n-GaAs and p-GaP in electrolyte solution. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1990, 283, 425-433.	0.3	16
471	Characterization of semiconductors by photoluminescence and electroluminescence measurements in electrolyte solutions. TrAC - Trends in Analytical Chemistry, 1990, 9, 98-103.	5.8	8
472	In situ, realâ€time monitoring of electrode surfaces by scanning tunneling microscopy. III. Surface structure of Pt and Pd electrodes. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 1990, 8, 520-524.	0.9	21
473	IR study of the photoanodic oxidation of hexacyanoferrate(4-) at the n-gallium arsenide electrode. The Journal of Physical Chemistry, 1990, 94, 4623-4627.	2.9	10
474	Preparative method for fabricating a microelectrode ensemble: electrochemical response of microporous aluminum anodic oxide film modified gold electrode. Analytical Chemistry, 1990, 62, 652-656.	3.2	62
475	Photocurrent generation via vertical transport of a photogenerated electron through electron relay confined within micropores of an anodic aluminium oxide film. Journal of the Chemical Society Chemical Communications, 1990, , 195.	2.0	2
476	Novel application of scanning tunneling microscopy â€" tip current voltammetry of n-GaAs and p-GaP in electrolyte solution. Surface Science, 1990, 237, 280-290.	0.8	20
477	Photoelectrochemical Properties of a GaP Electrode with an n/p Junction. Journal of the Electrochemical Society, 1989, 136, 524-528.	1.3	13
478	Photoluminescence and impedance study of p-gallium arsenide/electrolyte interfaces under cathodic bias: evidence for flat-band potential shift during illumination and introduction of high-density surface states by platinum treatment. The Journal of Physical Chemistry, 1989, 93, 6521-6526.	2.9	32
479	Study of the Fe(CN)3â^'6/Fe(CN)4â^'6 redox system on Pt by EMIRS. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 262, 195-209.	0.3	39
480	In-situ, real time monitoring of electrode surfaces by scanning tunneling microscopy. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 259, 301-308.	0.3	40
481	Surface morphology and reactivity of the Pt-SPE electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1989, 273, 275-281.	0.3	5
482	Crystal-face specific response of a single-crystal cadmium sulfide based ion-selective electrode. Analytical Chemistry, 1989, 61, 1980-1983.	3.2	36
483	In Situ, Real Time Monitoring of Electrode Surfaces by STM II. Surface Structure of n-GaAs During Photoanodic Dissolution. Electrochemistry, 1989, 57, 1213-1214.	0.3	8
484	Structure of Pt microparticles dispersed electrochemically onto glassy carbon electrodes. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1988, 256, 481-487.	0.3	54
485	Fiber optical laser spot microscope: A new concept for photoelectrochemical characterization of semiconductor electrodes. Applied Physics Letters, 1988, 53, 965-967.	1.5	13
486	Photoluminescence Proof of the Increase of Surface Recombination Velocity atp-GaAs Electrode by Pt Treatment. Chemistry Letters, 1988, 17, 1815-1818.	0.7	3

#	Article	IF	Citations
487	Photoanodic behavior of n-InSe single crystal.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1988, 1988, 1157-1162.	0.1	0
488	Optimal Input Design for Discrimination of Linear Stochastic Models Based on Kullbackâ€“Leibler Discrimination Information Measure. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 571-575.	0.4	4
489	Backward SPRT Failure Detection System for Detection of Innovation Variance Change. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1988, 21, 1153-1157.	0.4	5
490	Electroluminescence at pâ€ type semiconductor/electrolyte interfaces. Zeitschrift Fur Elektrotechnik Und Elektrochemie, 1987, 91, 447-450.	0.9	13
491	TPD Detection of Hydrogen Absorbed in GaAs during Electrochemical Hydrogen Evolution Reaction. Chemistry Letters, 1987, 16, 2301-2304.	0.7	0
492	Thin films-preparation, structure and properties. Electrochemical deposition and structure of CdSexTe1-x thin films.. Nippon Kagaku Kaishi / Chemical Society of Japan - Chemistry and Industrial Chemistry Journal, 1987, 1987, 2006-2009.	0.1	0
493	Optimal Input Design for Autoregressive Model Discrimination Based on the Kullback-Leibler Discrimination Information. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1987, 20, 375-379.	0.4	2
494	First observation of electroluminescence at the p-type semiconductor/electrolyte interface caused by electron injection. Energetics of adsorbed hydrogen at the p-gallium arsenide electrode. Journal of the American Chemical Society, 1986, 108, 4294-4298.	6.6	71
495	Photoelectrochemical Generation of Hydrogen at Electrochemically Deposited pâ€‰â€â€‰CdTe Films: Effect of Heatâ€Treatment, Surface Modification by Platinum and Surface Oxide Layer on Conversion Efficiency. Journal of the Electrochemical Society, 1986, 133, 266-271.	1.3	15
496	Electrochemical Behavior of p-Type Indium Selenide Single Crystal Electrodes in Dark and under Illumination. Bulletin of the Chemical Society of Japan, 1986, 59, 599-605.	2.0	9
497	Photoluminescent Properties ofp-GaAs/Electrolyte Interface. Evidence for Bandedge Shift during Photoelectrochemical Hydrogen Evolution Reaction. Chemistry Letters, 1986, 15, 1951-1954.	0.7	3
498	Accumulation layer formation at n-gallium arsenide/electrolyte interface: photoluminescence probe of the kinetic barrier for hydrogen evolution reaction. The Journal of Physical Chemistry, 1986, 90, 6654-6657.	2.9	18
499	Resistivity, carrier concentration, and carrier mobility of electrochemically deposited CdTe films. Journal of Applied Physics, 1986, 60, 2046-2049.	1.1	37
500	Theoretical Aspects of Semiconductor Electrochemistry. Reviews of Physiology, Biochemistry and Pharmacology, 1986, , 1-60.	0.9	4
501	Hydrogen Evolution Reaction at Metal Treated n-GaAs Electrodes. Electrochemistry, 1986, 54, 940-943.	0.3	0
502	Effects of heat treatment on the composition and semiconductivity of electrochemically deposited CdTe films. Journal of Applied Physics, 1985, 58, 4292-4295.	1.1	25
503	Effect of platinization on the electrochemical behavior of titanium dioxide electrode in aqueous solutions. The Journal of Physical Chemistry, 1985, 89, 4042-4046.	2.9	16
504	Electrochemical Deposition, Optical Properties, and Photoelectrochemical Behavior of CdTe Films. Journal of the Electrochemical Society, 1984, 131, 2304-2307.	1.3	35

#	Article	IF	Citations
505	Evidence for inversion layer formation at the p-type gallium arsenide/persulfate solution interface under strong cathodic bias: electroluminescence caused by carrier injection. The Journal of Physical Chemistry, 1984, 88, 4197-4199.	2.9	9
506	Comment on â€œEffects of the Helmholtz Layer Capacitance on the Potential Distribution at Semiconductor/Electrolyte Interface and the Linearity of the Mottâ€Schottky Plotâ€•[J. Electrochem. Soc., 130, 895]. Journal of the Electrochemical Society, 1984, 131, 2452-2453.	1.3	6
507	Optimal input design for autoregressive model discrimination with constrained output variance. IEEE Transactions on Automatic Control, 1984, 29, 348-350.	3.6	25
508	Response to â€œComment on â€˜Effects of the Helmholtz Layer Capacitance on the Potential Distribution at Semiconductor/Electrolyte Interface and the Linearity of the Mottâ€Schottky Plotâ€™â€•[J. Electrochem. Soc., 130, 895]. Journal of the Electrochemical Society, 1984, 131, 2453-2453.	1.3	0
509	Inversion layer formation and electroluminescence at p-GaAs/persulfate solution interface. Journal of Luminescence, 1984, 31-32, 972-974.	1.5	3
510	The photoelectrochemical behaviour of electrochemically deposited CdTe films. Electrochimica Acta, 1984, 29, 279-281.	2.6	48
511	Composition and electronic properties of electrochemically deposited CdTe films. Journal of Applied Physics, 1984, 55, 3879-3881.	1.1	40
512	SYNERGETIC ELECTROCATALYST FOR EFFICIENT PHOTOELECTROCHEMICAL GENERATION OF HYDROGEN AT p-InP. Chemistry Letters, 1984, 13, 301-304.	0.7	7
513	EFFECT OF THE Ru+++TREATMENT ON THE ELECTROCHEMICAL HYDROGEN EVOLUTION REACTION AT GaAs ELECTRODES. Chemistry Letters, 1984, 13, 953-956.	0.7	10
514	Electroluminescent Properties ofn-GaAs in Peroxodisulfate Solutions. Transient Behavior and Carrier Concentration Effect on Emission Spectra. Bulletin of the Chemical Society of Japan, 1984, 57, 3247-3252.	2.0	5
515	Photocathodic reactions at p-InP. Solar Energy Materials and Solar Cells, 1983, 7, 421-429.	0.4	17
516	Photoelectrochemical Characteristics of Semiconductorâ€Metal/SPE/Metal Cells. Journal of the Electrochemical Society, 1983, 130, 2179-2184.	1.3	9
517	Effects of the Helmholtz Layer Capacitance on the Potential Distribution at Semiconductor/Electrolyte Interface and the Linearity of the Mottâ€Schottky Plot. Journal of the Electrochemical Society, 1983, 130, 895-897.	1.3	66
518	Photopotential Behavior of Platinized TiO2 Particles. Journal of the Electrochemical Society, 1982, 129, 1752-1753.	1.3	7
519	Interfacial electron transfer as a significant step in photoelectrochemical reactions on some semiconductors. Journal of Applied Physics, 1981, 52, 808-810.	1.1	35
520	Mechanistic Study of Photoelectrochemical Reactions at a pâ€‰â€â€‰GaP Electrode. Journal of the Electrochemical Society, 1981, 128, 2153-2158.	1.3	27
521	Absorption behaviour of 4,4â€²-bipyridyl at a gold/water interface and its role in the electron transfer reaction between cytochrome c and a gold electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1981, 122, 321-326.	0.3	49
522	The electrochemistry of cytochrome c. Investigation of the mechanism of the 4,4â€²-bipyridyl surface modified gold electrode. Journal of Electroanalytical Chemistry and Interfacial Electrochemistry, 1980, 116, 527-537.	0.3	16

#	Article	IF	Citations
523	327 - The electrochemistry of cytochrome c. investigation of the mechanism of the 4,4â€²-bipyridyl surface modified gold electrode. Bioelectrochemistry, 1980, 7, 527-537.	1.0	76
524	Electrochemical, photoelectrochemical, electrocatalytic and catalytic reduction of redox proteins. Nature, 1980, 285, 673-674.	13.7	15
525	Electrochemistry of cytochrome c. Comparison of the electron transfer at a surface-modified gold electrode with that to cytochrome oxidase. Journal of the American Chemical Society, 1979, 101, 7113-7114.	6.6	100
526	The Theory of the Lightâ€Induced Evolution of Hydrogen at Semiconductor Electrodes. Journal of the Electrochemical Society, 1978, 125, 223-227.	1.3	42
527	The Rate of the Photoelectrochemical Generation of Hydrogen at pâ€Type Semiconductors. Journal of the Electrochemical Society, 1977, 124, 1348-1355.	1.3	98
528	Photoelectrochemical Production of Hydrogen. Advances in Chemistry Series, 1977, , 33-70.	0.6	20
529	The Stability of Photoelectrodes. Journal of the Electrochemical Society, 1977, 124, 98-99.	1.3	23
530	Theoretical treatment of the photoelectrochemical production of hydrogen. International Journal of Hydrogen Energy, 1977, 2, 123-138.	3.8	17
531	Cathodes For Photodriven Hydrogen Generators: Znte and Cdte. International Journal of Energy Research, 1977, 1, 25-30.	2.2	27
532	Photoproduction of hydrogen: Potential dependence of the quantum efficiency as a function of wavelength. Energy, 1976, 1, 143-145.	4.5	11
533	Photoelectrochemical processes: The prevention of competitive anodic dissolution of the photon absorber in hydrogen production. Energy, 1976, 1, 95-96.	4.5	17
534	The Apparent Molar Volumes of Tetraalkylammonium Halides in Liquid Sulfur Dioxide. Bulletin of the Chemical Society of Japan, 1972, 45, 871-874.	2.0	9
535	Reaction Rates in Binary Mixed Solvents. VI. An Sn Ar Reaction in a Methanol-Acetonitrile Mixture. Bulletin of the Chemical Society of Japan, 1971, 44, 2548-2550.	2.0	4
536	Integer programming approach to optimal smoothing of two-state Markov sequences. , 0, , .		2
537	A hybrid neural network for principal component analysis. , 0, , .		0
538	Adaptive identification of non-stationary systems with multiple forgetting factors. , 0, , .		9
539	Optimal smoothing of binary Markov sequences by genetic algorithm and its application to image restoration. , 0, , .		1
540	Optimal auxiliary input for fault detection and fault diagnosis. , 0, , .		0

#	Article	IF	Citations
541	Evolutionary approach for improvement of the operational route for mobile robots. , 0, , .		0
542	Optimal auxiliary input for fault detection of systems with model uncertainty. , 0, , .		2
543	Hammerstein model identification using genetic programming. , 0, , .		1
544	Optimal auxiliary input for fault detection based on Kullback divergence. , 0, , .		0
545	Wiener model identification by evolutionary computation approach with piecewise linearization. , 0, , .		0
546	Hammerstein model identification method based on genetic programming. , 0, , .		2
547	Operating regime determination in fuzzy local modeling by genetic algorithm. , 0, , .		0
548	Evolutionary computation approach to Wiener model identification. , 0, , .		7
549	Structure identification in Takagi-Sugeno fuzzy modeling. , 0, , .		10
550	Block oriented nonlinear model identification by evolutionary computation approach. , 0, , .		9
551	Eggplant classification using artificial neural network. , 0, , .		10
552	Multi-objective structure selection for radial basis function networks based on genetic algorithm. , 0, , .		8
553	Nonlinear state estimation by evolution strategies based particle filters. , 0, , .		26
554	Evolution strategies based particle filters for state and parameter estimation on nonlinear models. , 0, , .		10
555	Nonlinear system identification based on evolutionary fuzzy modeling. , 0, , .		3
556	Evolution Strategies Based Gaussian Sum Particle Filter for Nonlinear State Estimation. , 0, , .		8
557	Pattern Classification by Evolutionary RBF Networks Ensemble Based on Multi-objective Optimization. , 0, , .		1
558	In-situ Electrochemical AFM Study of Semiconductor Electrodes in Electrolyte Solutions. , 0, , 253-265.		2