

# Kohei Uosaki

## List of Publications by Year in descending order

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558  
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16,871  
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13865

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34984

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604  
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604  
docs citations

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times ranked

13664  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation of Polycrystalline TiO <sub>2</sub> Photocatalysts Impregnated with Various Transition Metal Ions: A Characterization and Photocatalytic Activity for the Degradation of 4-Nitrophenol. Journal of Physical Chemistry B, 2002, 106, 637-645.	2.6	460
2	Electrochemical characteristics of a gold electrode modified with a self-assembled monolayer of ferrocenylalkanethiols. Langmuir, 1991, 7, 1510-1514.	3.5	318
3	Very Efficient Visible-Light-Induced Uphill Electron Transfer at a Self-Assembled Monolayer with a Porphyrin-Ferrocene-Thiol Linked Molecule. Journal of the American Chemical Society, 1997, 119, 8367-8368.	13.7	282
4	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.	13.7	231
5	Quantitative analysis of defective sites in titanium(IV) oxide photocatalyst powders. Physical Chemistry Chemical Physics, 2003, 5, 778-783.	2.8	217
6	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.	2.6	194
7	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.	13.7	194
8	Photocatalytic activity of transition-metal-loaded titanium(IV) oxide powders suspended in aqueous solutions: Correlation with electron-hole recombination kinetics. Physical Chemistry Chemical Physics, 2001, 3, 267-273.	2.8	192
9	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.	3.5	180
10	In Situ Scanning Tunneling Microscopy Observation of the Self-Assembly Process of Alkanethiols on Gold(111) in Solution. Langmuir, 1998, 14, 855-861.	3.5	174
11	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.	2.8	171
12	Effect of Temperature on Structure of the Self-Assembled Monolayer of Decanethiol on Au(111) Surface. Langmuir, 2000, 16, 5523-5525.	3.5	146
13	Single Molecule Dynamics at a Mechanically Controllable Break Junction in Solution at Room Temperature. Journal of the American Chemical Society, 2013, 135, 1009-1014.	13.7	138
14	Electrochemical Layer-by-Layer Growth of Palladium on an Au(111) Electrode Surface: Evidence for Important Role of Adsorbed Pd Complex. Journal of Physical Chemistry B, 1998, 102, 4366-4373.	2.6	132
15	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.	3.5	130
16	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.	3.5	126
17	Role of Cerium Oxide in the Enhancement of Activity for the Oxygen Reduction Reaction at Pt-CeO <sub>2</sub> Nanocomposite Electrocatalyst - An in Situ Electrochemical X-ray Absorption Fine Structure Study. Journal of Physical Chemistry C, 2012, 116, 10098-10102.	3.1	121
18	Electrochemical Epitaxial Growth of a Pt(111) Phase on an Au(111) Electrode. Journal of Physical Chemistry B, 1997, 101, 7566-7572.	2.6	118

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19	Electrocatalytic reactivity for oxygen reduction at epitaxially grown Pd thin layers of various thickness on Au(111) and Au(100). <i>Electrochimica Acta</i> , 2000, 45, 3305-3309.	5.2	116
20	Functionalization of Monolayer h-BN by a Metal Support for the Oxygen Reduction Reaction. <i>Journal of Physical Chemistry C</i> , 2013, 117, 21359-21370.	3.1	109
21	Electrochemical and electrogenerated chemiluminescence properties of tris(2,2'-bipyridine)ruthenium(II)-tridecanethiol derivative on ITO and gold electrodes. <i>Journal of Electroanalytical Chemistry</i> , 1995, 384, 57-66.	3.8	107
22	Femtosecond Diffuse Reflectance Spectroscopy of Aqueous Titanium(IV) Oxide Suspension: Correlation of Electron-Hole Recombination Kinetics with Photocatalytic Activity. <i>Chemistry Letters</i> , 1998, 27, 579-580.	1.3	107
23	Electrochemical properties of the 2-mercaptohydroquinone monolayer on a gold electrode. Effect of solution pH, adsorption time and concentration of the modifying solution. <i>Journal of Electroanalytical Chemistry</i> , 1996, 409, 145-154.	3.8	105
24	Interfacial Water Structure at As-Prepared and UV-Induced Hydrophilic TiO <sub>2</sub> Surfaces Studied by Sum Frequency Generation Spectroscopy and Quartz Crystal Microbalance. <i>Journal of Physical Chemistry B</i> , 2004, 108, 19086-19088.	2.6	104
25	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. <i>Journal of Physical Chemistry C</i> , 2007, 111, 13197-13204.	3.1	102
26	Electrochemistry of cytochrome c. Comparison of the electron transfer at a surface-modified gold electrode with that to cytochrome oxidase. <i>Journal of the American Chemical Society</i> , 1979, 101, 7113-7114.	13.7	100
27	The Rate of the Photoelectrochemical Generation of Hydrogen at p-type Semiconductors. <i>Journal of the Electrochemical Society</i> , 1977, 124, 1348-1355.	2.9	98
28	Crystal Face Dependent Chemical Effects in Surface-Enhanced Raman Scattering at Atomically Defined Gold Facets. <i>Nano Letters</i> , 2011, 11, 1716-1722.	9.1	98
29	Structural Changes in Poly(2-methoxyethyl acrylate) Thin Films Induced by Absorption of Bisphenol A. An Infrared and Sum Frequency Generation (SFG) Study. <i>Macromolecules</i> , 2003, 36, 5694-5703.	4.8	96
30	Formation of Two-Dimensional Crystals of Alkanes on the Au(111) Surface in Neat Liquid. <i>Journal of the American Chemical Society</i> , 1999, 121, 4090-4091.	13.7	95
31	Theoretical predictions for hexagonal BN based nanomaterials as electrocatalysts for the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2809.	2.8	95
32	Insulative Microfiber 3D Matrix as a Host Material Minimizing Volume Change of the Anode of Li Metal Batteries. <i>ACS Energy Letters</i> , 2017, 2, 924-929.	17.4	95
33	Dynamic changes in charge-transfer resistance at Li metal/Li <sub>7</sub> La <sub>3</sub> Zr <sub>2</sub> O <sub>12</sub> interfaces during electrochemical Li dissolution/deposition cycles. <i>Journal of Power Sources</i> , 2018, 376, 147-151.	7.8	95
34	Thickness dependent electrochemical reactivity of epitaxially electrodeposited palladium thin layers on Au(111) and Au(100) surfaces. <i>Journal of Electroanalytical Chemistry</i> , 2001, 500, 435-445.	3.8	94
35	Electrochemically Controlled Layer-by-Layer Deposition of Metal-Cluster Molecular Multilayers on Gold. <i>Angewandte Chemie - International Edition</i> , 2003, 42, 2912-2915.	13.8	94
36	Basic knowledge in battery research bridging the gap between academia and industry. <i>Materials Horizons</i> , 2020, 7, 1937-1954.	12.2	94

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37	Local conformation of poly(methyl methacrylate) at nitrogen and water interfaces. <i>Polymer Chemistry</i> , 2010, 1, 303-311.	3.9	93
38	Dynamic Ellipsometry of a Self-Assembled Monolayer of a Ferrocenylalkanethiol during Oxidation-Reduction Cycles. <i>Langmuir</i> , 1994, 10, 3658-3662.	3.5	92
39	Raman scattering of aryl isocyanide monolayers on atomically flat Au(1 1 1) single crystal surfaces enhanced by gap-mode plasmon excitation. <i>Chemical Physics Letters</i> , 2008, 460, 205-208.	2.6	91
40	<i>In situ</i> x-ray photoelectron spectroscopy for electrochemical reactions in ordinary solvents. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	89
41	Pseudomorphic growth of Pd monolayer on Au(111) electrode surface. <i>Surface Science</i> , 2000, 461, 213-218.	1.9	88
42	Potential-dependent structure of the interfacial water on the gold electrode. <i>Surface Science</i> , 2004, 573, 11-16.	1.9	88
43	Electrochemical quartz crystal microbalance studies of self-assembled monolayers of 11-ferrocenyl-1-undecanethiol: Structure-dependent ion-pairing and solvent uptake. <i>Journal of Electroanalytical Chemistry</i> , 1994, 372, 117-124.	3.8	84
44	Role of Interfacial Water in Protein Adsorption onto Polymer Brushes as Studied by SFG Spectroscopy and QCM. <i>Journal of Physical Chemistry C</i> , 2015, 119, 17193-17201.	3.1	84
45	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. <i>The Journal of Physical Chemistry</i> , 1995, 99, 14117-14122.	2.9	83
46	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. <i>Journal of Electroanalytical Chemistry</i> , 1995, 381, 203-209.	3.8	80
47	Surface Molecular Structures of Langmuir-Blodgett Films of Stearic Acid on Solid Substrates Studied by Sum Frequency Generation Spectroscopy. <i>Langmuir</i> , 2003, 19, 2238-2242.	3.5	80
48	Effects of Atomic Geometry and Electronic Structure of Platinum Surfaces on Molecular Adsorbates Studied by Gap-Mode SERS. <i>Journal of the American Chemical Society</i> , 2014, 136, 10299-10307.	13.7	80
49	Electrode Potential Effect on the Surface pKa of a Self-Assembled 15-Mercaptohexadecanoic Acid Monolayer on a Gold/Quartz Crystal Microbalance Electrode. <i>Langmuir</i> , 2000, 16, 7101-7105.	3.5	78
50	327 - The electrochemistry of cytochrome c. investigation of the mechanism of the 4,4'-bipyridyl surface modified gold electrode. <i>Bioelectrochemistry</i> , 1980, 7, 527-537.	1.0	76
51	Anisotropic Dissolution of an Au(111) Electrode in Perchloric Acid Solution Containing Chloride Anion Investigated by <i>In Situ</i> STM The Important Role of Adsorbed Chloride Anion. <i>Langmuir</i> , 1999, 15, 807-812.	3.5	75
52	Activity of oxygen reduction reaction on small amount of amorphous CeO promoted Pt cathode for fuel cell application. <i>Electrochimica Acta</i> , 2011, 56, 3874-3883.	5.2	75
53	<i>In Situ</i> , 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. <i>Langmuir</i> , 2001, 17, 8224-8228.	3.5	74
54	Preparation of Cocrystals of 2-Amino-3-nitropyridine with Benzenesulfonic Acids for Second-Order Nonlinear Optical Materials. <i>Crystal Growth and Design</i> , 2004, 4, 807-811.	3.0	74

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55	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. <i>Langmuir</i> , 2001, 17, 6317-6324.	3.5	73
56	Formation of Nanopatterns of a Self-Assembled Monolayer (SAM) within a SAM of Different Molecules Using a Current Sensing Atomic Force Microscope. <i>Nano Letters</i> , 2002, 2, 137-140.	9.1	73
57	Evolving affinity between Coulombic reversibility and hysteretic phase transformations in nano-structured silicon-based lithium-ion batteries. <i>Nature Communications</i> , 2018, 9, 479.	12.8	73
58	Electrocatalytic reduction of oxygen to water at Au nanoclusters vacuum-evaporated on boron-doped diamond in acidic solution. <i>Electrochemistry Communications</i> , 2004, 6, 773-779.	4.7	72
59	Plasmonic Enhancement of Raman Scattering on Non-SERS-Active Platinum Substrates. <i>Journal of Physical Chemistry C</i> , 2009, 113, 11816-11821.	3.1	72
60	Highly Efficient Electrochemical Hydrogen Evolution Reaction at Insulating Boron Nitride Nanosheet on Inert Gold Substrate. <i>Scientific Reports</i> , 2016, 6, 32217.	3.3	72
61	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. <i>Journal of the American Chemical Society</i> , 1986, 108, 4294-4298.	13.7	71
62	Two-Dimensional Chirality: Self-Assembled Monolayer of an Atropisomeric Compound Covalently Bound to a Gold Surface. <i>Journal of the American Chemical Society</i> , 1999, 121, 6515-6516.	13.7	71
63	Formation of Self-Assembled Monolayers of Alkanethiols on GaAs Surface with in Situ Surface Activation by Ammonium Hydroxide. <i>Langmuir</i> , 1999, 15, 8577-8579.	3.5	71
64	Unidirectional Electron Transfer at Self-Assembled Monolayers of 11-Ferrocenyl-1-undecanethiol on Gold. <i>Bulletin of the Chemical Society of Japan</i> , 1993, 66, 1032-1037.	3.2	69
65	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 IRRAS-EQCM combined system. <i>Physical Chemistry Chemical Physics</i> , 1999, 1, 3653-3659.	2.8	68
66	Electrochemical Control of the Second Harmonic Generation Property of Self-Assembled Monolayers Containing atrans-Ferrocenyl-Nitrophenyl Ethylene Group on Gold. <i>Journal of the American Chemical Society</i> , 1999, 121, 391-398.	13.7	68
67	Two-Dimensional Crystals of Alkanes Formed on Au(111) Surface in Neat Liquid: A Structural Investigation by Scanning Tunneling Microscopy. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6021-6027.	2.6	68
68	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. <i>Bulletin of the Chemical Society of Japan</i> , 1994, 67, 21-25.	3.2	67
69	Electrochemical in situ FT-IRRAS studies of a self-assembled monolayer of 2-(11-mercaptoundecyl)hydroquinone. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 3813.	1.7	67
70	Unfolding, Aggregation, and Amyloid Formation by the Tetramerization Domain from Mutant p53 Associated with Lung Cancer. <i>Biochemistry</i> , 2006, 45, 1608-1619.	2.5	67
71	Lithium-metal deposition/dissolution within internal space of CNT 3D matrix results in prolonged cycle of lithium-metal negative electrode. <i>Carbon</i> , 2017, 119, 119-123.	10.3	67
72	Effects of the Helmholtz Layer Capacitance on the Potential Distribution at Semiconductor/Electrolyte Interface and the Linearity of the Mott-Schottky Plot. <i>Journal of the Electrochemical Society</i> , 1983, 130, 895-897.	2.9	66

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73	Recent progress in liquid electrolytes for lithium metal batteries. <i>Current Opinion in Electrochemistry</i> , 2019, 17, 106-113.	4.8	66
74	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. <i>Journal of Electroanalytical Chemistry</i> , 1994, 375, 409-413.	3.8	64
75	An In Situ Electrochemical Quartz Crystal Microbalance Study of the Dissolution Process of a Gold Electrode in Perchloric Acid Solution Containing Chloride Ion. <i>Journal of the Electrochemical Society</i> , 1998, 145, 1614-1623.	2.9	64
76	Mechanism for nucleation and growth of electrochemical palladium deposition on an Au(111) electrode. <i>Journal of Electroanalytical Chemistry</i> , 2002, 520, 126-132.	3.8	64
77	Enhancement of SERS Background through Charge Transfer Resonances on Single Crystal Gold Surfaces of Various Orientations. <i>Journal of the American Chemical Society</i> , 2013, 135, 17387-17392.	13.7	64
78	Formation and characterization of thiol-derivatized zinc (II) porphyrin monolayers on gold. <i>Thin Solid Films</i> , 1996, 273, 250-253.	1.8	63
79	Epitaxial growth of a palladium layer on an Au(100) electrode. <i>Journal of Electroanalytical Chemistry</i> , 1999, 473, 2-9.	3.8	63
80	Characterization of self-assembled monolayers of alkanethiol on GaAs surface by contact angle and angle-resolved XPS measurements. <i>Surface Science</i> , 2003, 529, 163-170.	1.9	63
81	Evidence of Nonelectrochemical Shift Reaction on a CO-Tolerant High-Entropy State Pt-Ru Anode Catalyst for Reliable and Efficient Residential Fuel Cell Systems. <i>Journal of the American Chemical Society</i> , 2012, 134, 14508-14512.	13.7	63
82	Preparative method for fabricating a microelectrode ensemble: electrochemical response of microporous aluminum anodic oxide film modified gold electrode. <i>Analytical Chemistry</i> , 1990, 62, 652-656.	6.5	62
83	Layer-by-layer self-assembly of composite films of CdS nanoparticle and alkanedithiol on gold: an X-ray photoelectron spectroscopic characterization. <i>Chemical Physics Letters</i> , 1997, 278, 233-237.	2.6	62
84	Post-assembly insertion of metal ions into thiol-derivatized porphyrin monolayers on gold. <i>Journal of Electroanalytical Chemistry</i> , 1999, 473, 75-84.	3.8	62
85	In situ structural study on underpotential deposition of Ag on Au(111) electrode using surface X-ray scattering technique. <i>Journal of Electroanalytical Chemistry</i> , 2002, 532, 201-205.	3.8	61
86	Electrochemical Oxidative Formation and Reductive Desorption of a Self-Assembled Monolayer of Decanethiol on a Au(111) Surface in KOH Ethanol Solution. <i>Journal of Physical Chemistry B</i> , 2004, 108, 6422-6428.	2.6	61
87	Solvent Effect on the Structure of the Self-Assembled Monolayer of Alkanethiol. <i>Chemistry Letters</i> , 1999, 28, 667-668.	1.3	60
88	Electron Transfer through Organic Monolayers Directly Bonded to Silicon Probed by Current Sensing Atomic Force Microscopy: A Effect of Chain Length and Applied Force. <i>Journal of Physical Chemistry B</i> , 2004, 108, 17129-17135.	2.6	58
89	Electrochemical Metal Deposition on Top of an Organic Monolayer. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17570-17577.	2.6	56
90	Decomposition Processes of an Organic Monolayer Formed on Si(111) via a SiliconCarbon Bond Induced by Exposure to UV Irradiation or Ozone. <i>Langmuir</i> , 2004, 20, 1207-1212.	3.5	55

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91	Electrocatalytic activity of various types of h-BN for the oxygen reduction reaction. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 13755-13761.	2.8	55
92	Structure of Pt microparticles dispersed electrochemically onto glassy carbon electrodes. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1988, 256, 481-487.	0.1	54
93	pH-dependent photoinduced electron transfer at the gold electrode modified with a self-assembled monolayer of a porphyrin-mercaptoquinone coupling molecule. <i>Journal of Electroanalytical Chemistry</i> , 1997, 438, 121-126.	3.8	54
94	Microscopic Electrode Processes in the Four-Electron Oxygen Reduction on Highly Active Carbon-Based Electrocatalysts. <i>ACS Catalysis</i> , 2018, 8, 8162-8176.	11.2	54
95	Determination of Thickness of a Self-Assembled Monolayer of Dodecanethiol on Au(111) by Angle-Resolved X-ray Photoelectron Spectroscopy. <i>Langmuir</i> , 1998, 14, 5656-5658.	3.5	52
96	Electrochemical Control of CO/NO Ligand Exchange in a Triruthenium Cluster Monolayer Assembled on a Gold Electrode Surface. <i>Journal of the American Chemical Society</i> , 2004, 126, 7434-7435.	13.7	52
97	Evidence for Epitaxial Arrangement and High Conformational Order of an Organic Monolayer on Si(111) by Sum Frequency Generation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2004, 126, 7034-7040.	13.7	52
98	Plasmonic Enhancement of Photoinduced Uphill Electron Transfer in a Molecular Monolayer System. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 1280-1284.	13.8	52
99	A self-assembled monolayer of ferrocenylalkane thiols on gold as an electron mediator for the reduction of Fe(III)-EDTA in solution. <i>Electrochimica Acta</i> , 1991, 36, 1799-1801.	5.2	51
100	Angle-Resolved X-Ray Photoelectron Spectroscopic Study on a Self-Assembled Monolayer of a Porphyrin-Ferrocene-Thiol Linked Molecule on Gold: Evidence for a Highly Ordered Arrangement for Efficient Photoinduced Electron Transfer. <i>Bulletin of the Chemical Society of Japan</i> , 1998, 71, 2555-2559.	3.2	51
101	Dielectric properties of organic monolayers directly bonded on silicon probed by current sensing atomic force microscope. <i>Applied Physics Letters</i> , 2003, 83, 2034-2036.	3.3	51
102	Subnanoscale hydrophobic modulation of salt bridges in aqueous media. <i>Science</i> , 2015, 348, 555-559.	12.6	51
103	Surface Mass Titrations of Self-Assembled Monolayers of $\gamma$ -Mercaptoalkanoic Acids on Gold. <i>Chemistry Letters</i> , 1998, 27, 669-670.	1.3	50
104	Synthesis, Structure, and Second-Harmonic Generation of Noncentrosymmetric Cocrystals of 2-Amino-5-nitropyridine with Achiral Benzenesulfonic Acids. <i>Crystal Growth and Design</i> , 2001, 1, 467-471.	3.0	50
105	Electron and ion transfer through multilayers of gold nanoclusters covered by self-assembled monolayers of alkylthiols with various functional groups. <i>Faraday Discussions</i> , 2002, 121, 373-389.	3.2	50
106	Evaluation of electron-hole recombination properties of titanium (IV) oxide particles with high photocatalytic activity. <i>Research on Chemical Intermediates</i> , 2007, 33, 285-296.	2.7	50
107	Electrochemical and in situ FTIR studies of ethanol adsorption and oxidation on gold single crystal electrodes in alkaline media. <i>Journal of Electroanalytical Chemistry</i> , 2013, 707, 89-94.	3.8	50
108	Two-Dimensional Corrugated Porous Carbon-, Nitrogen-Framework/Metal Heterojunction for Efficient Multielectron Transfer Processes with Controlled Kinetics. <i>ACS Nano</i> , 2017, 11, 1770-1779.	14.6	50

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109	Absorption behaviour of 4,4'-bipyridyl at a gold/water interface and its role in the electron transfer reaction between cytochrome c and a gold electrode. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1981, 122, 321-326.	0.1	49
110	Attenuated total reflection Fourier transform infrared spectroscopy study of the adsorption of organic contaminants on a hydrogen-terminated Si(111) surface in air. <i>Applied Physics Letters</i> , 1999, 75, 1562-1564.	3.3	49
111	Molecular structure at electrode/electrolyte solution interfaces related to electrocatalysis. <i>Faraday Discussions</i> , 2008, 140, 125-137.	3.2	49
112	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 <i>In Situ</i> Surface X-ray Scattering. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16118-16131.	3.1	49
113	The photoelectrochemical behaviour of electrochemically deposited CdTe films. <i>Electrochimica Acta</i> , 1984, 29, 279-281.	5.2	48
114	Packing State and Stability of Self-Assembled Monolayers of 11-Ferrocenyl-1-undecanethiol on Platinum Electrodes. <i>Bulletin of the Chemical Society of Japan</i> , 1994, 67, 863-865.	3.2	48
115	Photoelectrochemical characteristics of a self-assembled monolayer of porphyrin-mercaptoquinone coupling molecules. <i>Thin Solid Films</i> , 1996, 284-285, 652-655.	1.8	48
116	Porous gold nanodisks with multiple internal hot spots. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 9131.	2.8	48
117	Potential-Dependent Adsorption and Desorption of Perfluorosulfonated Ionomer on a Platinum Electrode Surface Probed by Electrochemical Quartz Crystal Microbalance and Atomic Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15704-15709.	3.1	48
118	Potential Dependent Orientation and Oxidative Decomposition of Mercaptoalkanenitrile Monolayers on Gold. An <i>In Situ</i> Fourier Transform Infrared Spectroscopy Study. <i>Langmuir</i> , 1996, 12, 2726-2736.	3.5	47
119	Electrochemical deposition of palladium on an Au(111) electrode: effects of adsorbed hydrogen for a growth mode. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1999, 154, 201-208.	4.7	47
120	Electrochemical oxidative adsorption and reductive desorption of a self-assembled monolayer of decanethiol on the Au(111) surface in KOH+ethanol solution. <i>Journal of Electroanalytical Chemistry</i> , 2003, 550-551, 321-325.	3.8	47
121	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. <i>Electrochimica Acta</i> , 2001, 46, 3057-3061.	5.2	46
122	Self-assembled monolayers (SAMs) with photo-functionalities. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2007, 8, 1-17.	11.6	46
123	On-line spectral estimation of nonstationary time series based on AR model parameter estimation and order selection with a forgetting factor. <i>IEEE Transactions on Signal Processing</i> , 1995, 43, 1519-1522.	5.3	45
124	Self-Assembled Monolayers of Compact Phosphanes with Alkanethiolate Pendant Groups: Remarkable Reusability and Substrate Selectivity in Rh Catalysis. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 5627-5630.	13.8	45
125	Metal Cation-Induced Deformation of DNA Self-Assembled Monolayers on Silicon: Vibrational Sum Frequency Generation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2008, 130, 8016-8022.	13.7	45
126	Spectroscopic Studies on Electroless Deposition of Copper on a Hydrogen-Terminated Si(111) Surface in Fluoride Solutions. <i>Journal of the Electrochemical Society</i> , 2001, 148, C421.	2.9	44



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127	Enantioselective Adsorption of Phenylalanine onto Self-Assembled Monolayers of 1,1'-Binaphthalene-2,2'-dithiol on Gold. <i>Journal of the American Chemical Society</i> , 2002, 124, 740-741.	13.7	44
128	Conductivity of Nafion membranes at low temperatures. <i>Journal of Electroanalytical Chemistry and Interfacial Electrochemistry</i> , 1990, 287, 163-169.	0.1	43
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