

Hirohisa Nagatani

List of Publications by Year in descending order

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69
papers

1,255
citations

331670

21
h-index

395702

33
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74
all docs

74
docs citations

74
times ranked

810
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular diffusion and aggregate formation of photoproducts from ketoprofen in aqueous solutions. <i>Chemical Physics Letters</i> , 2022, 795, 139511.	2.6	0
2	Transfer Mechanism of Anthracycline Antibiotics and Their Ion Association with PAMAM Dendrimer at Liquid Liquid Interfaces**. <i>ChemElectroChem</i> , 2022, 9, .	3.4	1
3	Cover Feature: Transfer Mechanism of Anthracycline Antibiotics and Their Ion Association with PAMAM Dendrimer at Liquid Liquid Interfaces (<i>ChemElectroChem</i> 13/2022). <i>ChemElectroChem</i> , 2022, 9, .	3.4	0
4	A soft on/off switch based on the electrochemically reversible Hâ€“J interconversion of a floating porphyrin membrane. <i>Chemical Science</i> , 2021, 12, 10227-10232.	7.4	4
5	Interfacial association of ferritin with anionic fluorescent probe at the 1,2-dichloroethane/water interface. <i>Journal of Electroanalytical Chemistry</i> , 2021, 888, 115175.	3.8	4
6	A light-switching pyrene probe to detect phase-separated biomolecules. <i>IScience</i> , 2021, 24, 102865.	4.1	11
7	Size evaluation of gold nanoparticles using transient grating method with deep-UV excitation pulses. <i>Chemical Physics Letters</i> , 2021, 778, 138763.	2.6	0
8	Ion transfer and adsorption of water-soluble metal complexes of 8-hydroxyquinoline derivatives at the water 1,2-dichloroethane interface. <i>Journal of Electroanalytical Chemistry</i> , 2020, 856, 113566.	3.8	2
9	Synergistic Ion-pair Extraction and Separation of Trivalent Lanthanoid Ions with 4-Isopropyltropolone and 1,10-Phenanthroline into <i>o</i>-Dichlorobenzene. <i>Analytical Sciences</i> , 2020, 36, 479-484.	1.6	2
10	Aggregation-Induced Emission of Water-Soluble Tetraphenylethene Derivatives at Polarized Liquid Liquid Interfaces. <i>Langmuir</i> , 2020, 36, 10597-10605.	3.5	11
11	Dehydrationâ€“fragmentation mechanism of cathinones and their metabolites in ESIâ€“CID. <i>Journal of Mass Spectrometry</i> , 2020, 55, e4538.	1.6	1
12	Phase-stable optical activity measurement by common-path spectral interferometry. <i>Optics Letters</i> , 2020, 45, 5868.	3.3	2
13	Anomalous lanthanoid(III) species extracted with 4-isopropyltropolone and neutral ligands in an ionic liquid. <i>Monatshefte FÃ¼r Chemie</i> , 2019, 150, 821-829.	1.8	2
14	Mechanistic Analysis of Ion Association between Dendrigrft Poly-<sc> </sc>-lysine and 8-Anilino-1-naphthalenesulfonate at Liquid Liquid Interfaces. <i>Langmuir</i> , 2018, 34, 3237-3243.	3.5	6
15	Synergistic Extraction Equilibrium of Lanthanide(III) Ions with Benzoylacetone and a Neutral Ligand in an Ionic Liquid. <i>Solvent Extraction Research and Development</i> , 2018, 25, 79-89.	0.4	12
16	Potential-Induced Aggregation of Anionic Porphyrins at Liquid Liquid Interfaces. <i>Langmuir</i> , 2017, 33, 10134-10142.	3.5	13
17	Determination of the Electrostatic Potential of Oil-in-Water Emulsion Droplets by Combined Use of Two Membrane Potential-Sensitive Dyes. <i>Analytical Sciences</i> , 2017, 33, 813-819.	1.6	6
18	Potential-Dependent Adsorption and Orientation of <i>meso-</i>Substituted Porphyrins at Liquid Liquid Interfaces Studied by Polarization-Modulation Total Internal Reflection Fluorescence Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 7248-7255.	3.1	10

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19	Facilitated Transfer of Alkali and Alkaline Earth-metal Ions to the Oil Water Interface Where the Fluorescent Dye diOC ₂ (3) is Adsorbed. <i>Bunseki Kagaku</i> , 2016, 65, 71-77.	0.2	1
20	Molecular association between flavin derivatives and dendritic polymers at the water 1,2-dichloroethane interface. <i>Journal of Electroanalytical Chemistry</i> , 2016, 782, 288-292.	3.8	8
21	Ion transfer and adsorption behavior of ionizable drugs affected by PAMAM dendrimers at the water 1,2- dichloroethane interface. <i>Electrochimica Acta</i> , 2016, 191, 631-639.	5.2	14
22	Molecular Encapsulation and Association of Ionic Species with Dendrimers at Polarized Liquid Liquid Interfaces. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
23	Interfacial Behavior of Fluorescent Species Associated with Dendritic Polymers at Polarized Liquid Liquid Interfaces. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
24	Photoluminescent Detection of Nitrite with Carbon Nanodots Prepared by Microwave-assisted Synthesis. <i>Analytical Sciences</i> , 2015, 31, 481-485.	1.6	6
25	The 65th Annual Meeting of the International Society of Electrochemistry (ISE2014). Review of Polarography, 2015, 61, 46-50.	0.1	0
26	Photoinduced Electron Transfer of PAMAM Dendrimerâ€“Zinc(II) Porphyrin Associates at Polarized Liquid Liquid Interfaces. <i>Langmuir</i> , 2015, 31, 6237-6244.	3.5	15
27	Communication: Coordination structure of bromide ions associated with hexyltrimethylammonium cations at liquid/liquid interfaces under potentiostatic control as studied by total-reflection X-ray absorption fine structure. <i>Journal of Chemical Physics</i> , 2014, 140, 101101.	3.0	6
28	Spectroelectrochemical Characterization of Dendrimerâ€“Porphyrin Associates at Polarized Liquid Liquid Interfaces. <i>Langmuir</i> , 2014, 30, 937-945.	3.5	20
29	Combined use of two membrane-potential-sensitive dyes for determination of the Galvani potential difference across a biomimetic oil/water interface. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 3407-3414.	3.7	4
30	Highly Selective Synergism for the Extraction of Lanthanoid(III) Ions with β -Diketones and Trioctylphosphine Oxide in an Ionic Liquid. <i>Analytical Sciences</i> , 2014, 30, 323-325.	1.6	33
31	Valence Discriminative Detection of Metal Cations by a Chromotropic Acid-grafted Glassy Carbon Electrode. <i>Analytical Sciences</i> , 2013, 29, 95-99.	1.6	1
32	Self-Assembled Molecular Rafts at Liquid Liquid Interfaces for Four-Electron Oxygen Reduction. <i>Journal of the American Chemical Society</i> , 2012, 134, 498-506.	13.7	87
33	Potential-modulated fluorescence spectroscopy of zwitterionic and dicationic membrane-potential-sensitive dyes at the 1,2-dichloroethane/water interface. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 404, 785-792.	3.7	7
34	Interfacial Self-Assembly of Water-Soluble Cationic Porphyrins for the Reduction of Oxygen to Water. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 6447-6451.	13.8	15
35	X-ray Absorption Fine Structure. <i>Oleoscience</i> , 2012, 12, 11-16.	0.0	0
36	Photocurrents at polarized liquid liquid interfaces enhanced by a gold nanoparticle film. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 17704.	2.8	29

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37	Gold nanoparticles-enhanced photocurrent at a dye-sensitized liquid liquid interface. <i>Electrochemistry Communications</i> , 2011, 13, 985-988.	4.7	9
38	Encapsulation of Anilino-naphthalenesulfonates in Carboxylate-Terminated PAMAM Dendrimer at the Polarized Water 1,2-Dichloroethane Interface. <i>Langmuir</i> , 2010, 26, 17686-17694.	3.5	21
39	Polarized Total-Reflection X-ray Absorption Fine Structure of Zinc(II) Porphyrin at the Heptane~Water Interface. <i>Journal of Physical Chemistry C</i> , 2010, 114, 18583-18587.	3.1	13
40	Potential-modulated fluorescence spectroscopy of the membrane potential-sensitive dye di-4-ANEPPS at the 1,2-dichloroethane/water interface. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1055-1061.	3.7	11
41	X-ray absorption fine structure of bromide ions attracted by cationic surfactants at the heptane-water interface. <i>Journal of Physics: Conference Series</i> , 2009, 190, 012061.	0.4	5
42	Extended X-ray Absorption Fine Structure of Copper(II) Complexes at the Air-Water Interface by a Polarized Total-Reflection X-ray Absorption Technique. <i>Analytical Sciences</i> , 2009, 25, 475-480.	1.6	19
43	Spectroelectrochemical analysis of ion-transfer and adsorption of the PAMAM dendrimer at a polarized liquid liquid interface. <i>Electrochimica Acta</i> , 2008, 53, 6428-6433.	5.2	28
44	Potential-Modulation Spectroscopy at Solid/Liquid and Liquid/Liquid Interfaces. <i>Analytical Sciences</i> , 2007, 23, 1041-1048.	1.6	32
45	Potential-Dependent Adsorption of Amphoteric Rhodamine Dyes at the Oil/Water Interface as Studied by Potential-Modulated Fluorescence Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2007, 111, 9480-9487.	3.1	42
46	Development of the total-reflection XAFS method for the liquid-liquid interface. <i>Journal of Physics: Conference Series</i> , 2007, 83, 012019.	0.4	8
47	An electroreflectance approach to study out the puzzling state of myoglobin in a DDAB film on a pyrolytic graphite electrode surface. <i>Electrochemistry Communications</i> , 2007, 9, 2018-2022.	4.7	4
48	Zinc(II) Porphyrins at the Air~Water Interface As Studied by Polarized Total-Reflection X-ray Absorption Fine Structure. <i>Langmuir</i> , 2006, 22, 209-212.	3.5	21
49	Interfacial Behavior of Tetrapyrrolylporphyrin Monolayer Arrays. <i>Langmuir</i> , 2006, 22, 681-686.	3.5	27
50	~†ã...%ã! çš,,æ%ã³•ãã®ãCEæ™,æ,¬ã®š!¼¹¼%ç«ã-Â.ã•è -ã†ã...%ã³•. <i>Electrochemistry</i> , 2006, 74, 512-517		0
51	Direct spectroelectrochemical observation of interfacial species at the polarized water/1,2-dichloroethane interface by ac potential modulation technique. <i>Journal of Electroanalytical Chemistry</i> , 2006, 588, 99-105.	3.8	24
52	Interfacial behavior of sulforhodamine 101 at the polarized water/1,2-dichloroethane interface studied by spectroelectrochemical techniques. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 633-638.	3.7	17
53	A True Electron-Transfer Reaction between 5,10,15,20-Tetraphenylporphyrinato Cadmium(II) and the Hexacyanoferrate Couple at the Nitrobenzene/Water Interface. <i>Analytical Sciences</i> , 2004, 20, 1567-1573.	1.6	14
54	Photoinduced Electron Transfer of 5,10,15,20-Tetraphenylporphyrinato Zinc(II) at the Polarized Water/1,2-Dichloroethane Interface. <i>Analytical Sciences</i> , 2004, 20, 1575-1579.	1.6	9

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55	Adsorption and Aggregation of meso-Tetrakis(4-carboxyphenyl)porphyrinato Zinc(II) at the Polarized Water 1,2-Dichloroethane Interface. <i>Journal of Physical Chemistry B</i> , 2003, 107, 786-790.	2.6	54
56	Polarized total-reflection x-ray absorption fine structure for self-assembled monolayer of zinc porphyrin at air-water interface. <i>Journal of Chemical Physics</i> , 2003, 118, 10369-10371.	3.0	24
57	Interfacial Nanochemistry in Liquid-Liquid Extraction Systems. <i>Bulletin of the Chemical Society of Japan</i> , 2003, 76, 1471-1492.	3.2	44
58	Transfer and adsorption of 1-pyrene sulfonate at the water-1,2-dichloroethane interface studied by potential modulated fluorescence spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2002, 518, 1-5.	3.8	23
59	Surface Second Harmonic Generation of Cationic Water-Soluble Porphyrins at the Polarized Water 1,2-Dichloroethane Interface. <i>Langmuir</i> , 2002, 18, 6647-6652.	3.5	49
60	A Kinetic Model for Adsorption and Transfer of Ionic Species at Polarized Liquid Liquid Interfaces as Studied by Potential Modulated Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2001, 105, 9463-9473.	2.6	64
61	Mechanistic aspects associated with the oxidation of l-ascorbic acid at the 1,2-dichloroethane-water interface. <i>Journal of Electroanalytical Chemistry</i> , 2001, 510, 43-49.	3.8	29
62	Kinetic study of Ni(II) and Zn(II) complexation with a pyridylazo extractant by a centrifugal liquid membrane method. <i>Analytica Chimica Acta</i> , 2000, 419, 107-114.	5.4	25
63	Photoinduced Electron Transfer at Liquid Liquid Interfaces. Part IV. Orientation and Reactivity of Zinc Tetra(4-carboxyphenyl) Porphyrin Self-Assembled at the Water 1,2-Dichloroethane Junction. <i>Journal of the American Chemical Society</i> , 2000, 122, 10943-10948.	13.7	47
64	Adsorption Behavior of Charged Zinc Porphyrins at the Water/1,2-Dichloroethane Interface Studied by Potential Modulated Fluorescence Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2000, 104, 6869-6876.	2.6	73
65	Heterogeneous Fluorescence Quenching Reaction between (5,10,15,20-Tetraphenylporphyrinato)zinc(II) and Methylviologen at Dodecane-Water Interface. <i>Chemistry Letters</i> , 1999, 28, 701-702.	1.3	16
66	Formation and interfacial adsorption of the $[\mu$]-oxo dimer of (5,10,15,20-tetraphenylporphyrinato)iron(III) in dodecane/aqueous acid systems. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998, 94, 247-252.	1.7	18
67	Direct Spectrophotometric Measurement of Demetalation Kinetics of 5,10,15,20-Tetraphenylporphyrinatozinc(II) at the Liquid-Liquid Interface by a Centrifugal Liquid Membrane Method. <i>Analytical Chemistry</i> , 1998, 70, 2860-2865.	6.5	92
68	Specific Adsorption of Metal Complexes of Tetraphenylporphyrin at Dodecane-Water Interface. <i>Chemistry Letters</i> , 1997, 26, 167-168.	1.3	11
69	Two-Phase Stopped-Flow Measurement of the Protonation of Tetraphenylporphyrin at the Liquid-Liquid Interface. <i>Analytical Chemistry</i> , 1996, 68, 1250-1253.	6.5	44