

Shinji Kajimoto

List of Publications by Year in descending order

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54
papers

637
citations

567144

15
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642610

23
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54
all docs

54
docs citations

54
times ranked

764
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosing metabolic acidosis in chronic kidney disease: importance of blood pH and serum anion gap. <i>Kidney Research and Clinical Practice</i> , 2022, 41, 288-297.	0.9	2
2	Concentration Quantification of the Low-Complexity Domain of Fused in Sarcoma inside a Single Droplet and Effects of Solution Parameters. <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5692-5697.	2.1	12
3	Label-free tracking of intracellular molecular crowding with cell-cycle progression using Raman microscopy. <i>Chemical Physics Letters</i> , 2021, 779, 138843.	1.2	5
4	Regulation of Cell Volume by Nanosecond Pulsed Electric Fields. <i>Journal of Physical Chemistry B</i> , 2021, 125, 10692-10700.	1.2	6
5	Observation of liquid-liquid phase separation of ataxin-3 and quantitative evaluation of its concentration in a single droplet using Raman microscopy. <i>Chemical Science</i> , 2021, 12, 7411-7418.	3.7	35
6	Observation of the changes in the chemical composition of lipid droplets using Raman microscopy. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 21646-21650.	1.3	9
7	A millisecond structured illumination microscope for super-resolution live cell imaging. <i>Applied Physics Express</i> , 2020, 13, 045002.	1.1	0
8	Label-Free Imaging of Intracellular Temperature by Using the O-H Stretching Raman Band of Water. <i>Angewandte Chemie</i> , 2020, 132, 7829-7834.	1.6	27
9	Label-Free Imaging of Intracellular Temperature by Using the O-H Stretching Raman Band of Water. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 7755-7760.	7.2	35
10	Real-time observation of X-ray-induced intramolecular and interatomic electronic decay in CH ₂ I ₂ . <i>Nature Communications</i> , 2019, 10, 2186.	5.8	19
11	Phase Separation Dynamics of a Binary Fluid with a Closed-Loop Phase Diagram. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 024007.	0.7	0
12	Measuring the Water Density inside a Living Cell. <i>Seibutsu Butsuri</i> , 2019, 59, 097-099.	0.0	0
13	Single bovine serum albumin molecule can hold plural blue-emissive gold nanoclusters: A quantitative study with two-photon excitation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 357, 168-174.	2.0	20
14	Time-Resolved Structured Illumination Microscopy for Phase Separation Dynamics of Water and 2-Butoxyethanol Mixtures: Interpretation of "Early Stage" Involving Micelle-Like Structures. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12375-12385.	1.2	5
15	Embedding a Metal-Binding Motif for Copper Transporter into a Lipid Bilayer by Cu(I) Binding. <i>Journal of Physical Chemistry B</i> , 2018, 122, 6364-6370.	1.2	2
16	Conformational changes in inhibitory PAS domain protein associated with binding of HIF-1 α and Bcl-x _L in living cells. <i>Journal of Biochemistry</i> , 2017, 161, mvw068.	0.9	4
17	Raman Imaging Microscopy for Quantitative Analysis of Biological Samples. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1035, 163-172.	0.8	1
18	Experimental Evaluation of the Density of Water in a Cell by Raman Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 5241-5245.	2.1	38

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19	Phase behavior of a binary fluid mixture of quadrupolar molecules. <i>Physical Review E</i> , 2016, 94, 052601.	0.8	5
20	Chlorine adlayer-templated growth of a hybrid inorganic-organic layered structure on Au(111). <i>Surface Science</i> , 2016, 652, 46-50.	0.8	1
21	Ultrafast Dynamics of Photoexcited Gold Nanostructures on Mica Substrates Probed by Transient Absorption Spectroscopy and Time-resolved X-ray Diffraction. <i>Chemistry Letters</i> , 2015, 44, 961-963.	0.7	1
22	Observation of Unusual Molecular Diffusion Behaviour below the Lower Critical Solution Temperature of Water/2-Butoxyethanol Mixtures by using Fluorescence Correlation Spectroscopy. <i>ChemPhysChem</i> , 2014, 15, 3832-3838.	1.0	9
23	Nano-scale characterization of binary self-assembled monolayers under an ambient condition with STM and TERS. <i>Chemical Communications</i> , 2014, 50, 9862-9864.	2.2	13
24	Picosecond dynamics of hydrogen bond rearrangements during phase separation of a triethylamine and water mixture. <i>Photochemical and Photobiological Sciences</i> , 2014, 13, 891-897.	1.6	6
25	A silver nanowire-based tip suitable for STM tip-enhanced Raman scattering. <i>Chemical Communications</i> , 2014, 50, 9839-9841.	2.2	34
26	Mesoscopic Dynamics of Laser-induced Phase Separation in Water and 2-Butoxyethanol Mixtures Revealed by Nanosecond Time-resolved Light Scattering. <i>Chemistry Letters</i> , 2014, 43, 1838-1840.	0.7	2
27	Effect of Sodium Dodecyl Sulfate on the Formation of Silver Nanoparticles by Biphotonic Reduction of Silver Nitrate in Water. <i>Chemistry Letters</i> , 2014, 43, 1693-1695.	0.7	14
28	Bias voltage-dependent STM tip-enhanced Raman spectroscopy of benzenethiol-modified gold nanoplates. <i>Chemical Physics Letters</i> , 2013, 582, 110-114.	1.2	16
29	Excitation energy migration in yellow fluorescent protein (citrine) layers adsorbed on modified gold surfaces. <i>Applied Surface Science</i> , 2013, 280, 776-782.	3.1	2
30	Doping concentration dependence on VUV luminescence of Tm:CaF ₂ . <i>Optical Materials</i> , 2013, 35, 1898-1901.	1.7	7
31	Neutron detection with LiCaAlF ₆ scintillator doped with 3d-transition metal ions. <i>Radiation Measurements</i> , 2013, 55, 128-131.	0.7	11
32	Additive-Free Size-Controlled Synthesis of Gold Square Nanoplates Using Photochemical Reaction in Dynamic Phase-Separating Media. <i>Langmuir</i> , 2013, 29, 5889-5895.	1.6	16
33	VUV Luminescence With Nd Doped KCaF ₃ Under X-Ray Excitation. <i>IEEE Transactions on Nuclear Science</i> , 2012, 59, 2183-2187.	1.2	5
34	Photothermal Laser Material Interactions - From the Sledgehammer to Nano-GPS. <i>Advances in Intelligent and Soft Computing</i> , 2012, , 85-111.	0.2	0
35	Bubble Formation and Emission During Phase Separation of Water and 2-Butoxyethanol Mixtures. , 2012, , .		0
36	Light output uniformity of czochralski grown rare-earth-ion doped ⁶LiCaAlF₆ single crystal for thermal neutron detection. , 2011, , .		1

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37	Dynamics of Volume Expansion of De-Mixing Liquids after Pulsed IR Heating. Australian Journal of Chemistry, 2011, 64, 1274.	0.5	3
38	On the origin of the Raman band shifts for H-bonded complexes of normal alcohols and 2-butoxyethanol with water: A theoretical DFT and MP2 study. Chemical Physics Letters, 2010, 491, 151-155.	1.2	4
39	Cooperative photoinduced two-dimensional condensation in Langmuir films observed using nanosecond pump-probe Brewster angle microscopy. Biointerphases, 2010, 5, FA105-FA109.	0.6	1
40	Photo-controlled phase separation and mixing of a mixture of water and 2-butoxyethanol caused by photochromic isomerisation of spiropyran. Photochemical and Photobiological Sciences, 2010, 9, 208-212.	1.6	8
41	Time-Resolved Brewster Angle Microscopy for Photochemical and Photothermal Studies on Thin-Films and Monolayers. Journal of Nanoscience and Nanotechnology, 2009, 9, 59-68.	0.9	3
42	Laser-induced phase change in Langmuir films observed using nanosecond pump-probe Brewster angle microscopy. Applied Physics A: Materials Science and Processing, 2008, 93, 947-954.	1.1	10
43	Water expansion dynamics after pulsed IR laser heating. Physical Chemistry Chemical Physics, 2008, 10, 5256.	1.3	21
44	Electrostatic potential gap at the interface between triethylamine and water phases studied by molecular dynamics simulation. Chemical Physics Letters, 2007, 448, 70-74.	1.2	13
45	Formation of 3,4,9,10-perylenetetracarboxylicdianhydride nanoparticles with perylene and polyene byproducts by 355 nm nanosecond pulsed laser ablation of microcrystal suspensions. Journal of Photochemistry and Photobiology A: Chemistry, 2007, 189, 105-113.	2.0	27
46	Development of a nanosecond time-resolved Brewster angle microscope to observe phase change at an interface. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2006, 284-285, 514-520.	2.3	5
47	Surface Structuring Using Photo-Polymerization at the Interface between Vinyl-Modified Quartz and a Dynamic Phase Separating Solution. Japanese Journal of Applied Physics, 2006, 45, L1016-L1018.	0.8	5
48	Experimentally determined growth exponents during the late stage of spinodal demixing in binary liquid mixtures. Physical Review E, 2006, 73, 011502.	0.8	12
49	Density functional theory study of the origin of IR and Raman band shifts in H-bond complexes of triethylamine with water. International Journal of Quantum Chemistry, 2005, 105, 376-386.	1.0	15
50	Dynamics of Re(2,2'-bipyridine)(CO) ₃ Cl MLCT formation and decay after picosecond pulsed X-ray excitation and femtosecond UV excitation. Photochemical and Photobiological Sciences, 2005, 4, 113-118.	1.6	11
51	Dynamics of Liquid Structure Relaxation from Criticality after a Nanosecond Laser Initiated T-Jump in Triethylamine-Water. Journal of Physical Chemistry B, 2003, 107, 11411-11418.	1.2	41
52	Explosive boiling of water after pulsed IR laser heating. Physical Chemistry Chemical Physics, 2003, 5, 888-895.	1.3	40
53	Ultrafast laser-induced molecular and morphological changes during spinodal demixing of water/2-butoxyethanol/KCl. Physical Review E, 2003, 68, 020501.	0.8	16
54	Picosecond and nanosecond photo-dynamics of a naphthopyran merocyanine Dedicated to Professor Frank Wilkinson on the occasion of his retirement.. Physical Chemistry Chemical Physics, 2002, 4, 180-184.	1.3	39