

Keng C Chou

List of Publications by Year in descending order

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37
papers

847
citations

430874

18
h-index

501196

28
g-index

40
all docs

40
docs citations

40
times ranked

1334
citing authors

#	ARTICLE	IF	CITATIONS
1	Structures of Water Molecules at the Interfaces of Aqueous Salt Solutions and Silica: Cation Effects. <i>Journal of Physical Chemistry C</i> , 2009, 113, 8201-8205.	3.1	104
2	Re-Evaluating the Surface Tension Analysis of Polyelectrolyte-Surfactant Mixtures Using Phase-Sensitive Sum Frequency Generation Spectroscopy. <i>Journal of the American Chemical Society</i> , 2014, 136, 15114-15117.	13.7	63
3	Phase separation and clustering of an ABC transporter in <i>Mycobacterium tuberculosis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 16326-16331.	7.1	54
4	Nonlinear Optical Properties of Schiffâ€¦Baseâ€¦Containing Conductive Polymer Films Electroâ€¦Deposited in Microgravity. <i>Advanced Materials</i> , 2008, 20, 2280-2284.	21.0	45
5	Cardiac ryanodine receptor distribution is dynamic and changed by auxiliary proteins and post-translational modification. <i>ELife</i> , 2020, 9, .	6.0	44
6	Why Do Sulfuric Acid Coatings Influence the Ice Nucleation Properties of Mineral Dust Particles in the Atmosphere?. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 1232-1236.	4.6	43
7	Interactions of Polyelectrolytes with Water and Ions at Air/Water Interfaces Studied by Phase-Sensitive Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 15698-15703.	3.1	42
8	New Information on the Ion-Identity-Dependent Structure of Stern Layer Revealed by Sum Frequency Generation Vibrational Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016, 120, 18099-18104.	3.1	41
9	Investigation of Sub-100 nm Gold Nanoparticles for Laser-Induced Thermo-therapy of Cancer. <i>Nanomaterials</i> , 2013, 3, 86-106.	4.1	39
10	Super-resolution modularity analysis shows polyhedral caveolin-1 oligomers combine to form scaffolds and caveolae. <i>Scientific Reports</i> , 2019, 9, 9888.	3.3	37
11	Interactions of Sulfobetaine Zwitterionic Surfactants with Water on Water Surface. <i>Langmuir</i> , 2016, 32, 10905-10911.	3.5	32
12	Orbital angular momentum transition of light using a cylindrical vector beam. <i>Optics Letters</i> , 2018, 43, 2146.	3.3	31
13	<i>Arcobacter</i> Identification and Species Determination Using Raman Spectroscopy Combined with Neural Networks. <i>Applied and Environmental Microbiology</i> , 2020, 86, .	3.1	30
14	Transient Phase of Ice Observed by Sum Frequency Generation at the Water/Mineral Interface During Freezing. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 871-875.	4.6	24
15	A stochastic assembly model for Nipah virus revealed by super-resolution microscopy. <i>Nature Communications</i> , 2018, 9, 3050.	12.8	22
16	Selective Recognition of Rituximab-Functionalized Gold Nanoparticles by Lymphoma Cells Studied with 3D Imaging. <i>Journal of Physical Chemistry C</i> , 2009, 113, 20252-20258.	3.1	21
17	Revisiting the Thermodynamics of Water Surfaces and the Effects of Surfactant Head Group. <i>Journal of Physical Chemistry B</i> , 2016, 120, 2257-2261.	2.6	21
18	Complex Formations between Surfactants and Polyelectrolytes of the Same Charge on a Water Surface. <i>Langmuir</i> , 2017, 33, 7940-7946.	3.5	20

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19	Single molecule localization deep within thick cells; a novel super-resolution microscope. <i>Journal of Biophotonics</i> , 2016, 9, 155-160.	2.3	18
20	Real-time 3D stabilization of a super-resolution microscope using an electrically tunable lens. <i>Optics Express</i> , 2016, 24, 22959.	3.4	14
21	Surface Charge at the Bitumen/Water Interface Investigated by Phase-Sensitive Sum Frequency Generation Vibrational Spectroscopy: Effects of pH, Ions, and Surfactants. <i>Energy & Fuels</i> , 2015, 29, 7885-7888.	5.1	12
22	Design of Polyphosphate Inhibitors: A Molecular Dynamics Investigation on Polyethylene Glycol-Linked Cationic Binding Groups. <i>Biomacromolecules</i> , 2018, 19, 1358-1367.	5.4	12
23	Conditional Generative Adversarial Network for Spectral Recovery to Accelerate Single-Cell Raman Spectroscopic Analysis. <i>Analytical Chemistry</i> , 2022, 94, 577-582.	6.5	11
24	Interactions of water with the nonionic surfactant polyoxyethylene glycol alkyl ethers studied by phase-sensitive sum frequency generation and molecular dynamics simulation. <i>Surface Science</i> , 2016, 648, 366-370.	1.9	9
25	<i>Campylobacter jejuni</i> Antimicrobial Resistance Profiles and Mechanisms Determined Using a Raman Spectroscopy-Based Metabolomic Approach. <i>Applied and Environmental Microbiology</i> , 2021, 87, e0038821.	3.1	8
26	Next-Generation Antimicrobial Resistance Surveillance System Based on the Internet-of-Things and Microfluidic Technique. <i>ACS Sensors</i> , 2021, 6, 3477-3484.	7.8	8
27	Molecular Coupling between Organic Molecules and Metal. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 5167-5172.	4.6	7
28	A Novel Mathematical Model for Studying Antimicrobial Interactions Against <i>Campylobacter jejuni</i> . <i>Frontiers in Microbiology</i> , 2019, 10, 1038.	3.5	7
29	Predicted Structure of Fully Activated Tas1R3/1R3 Homodimer Bound to G Protein and Natural Sugars: Structural Insights into G Protein Activation by a Class C Sweet Taste Homodimer with Natural Sugars. <i>Journal of the American Chemical Society</i> , 2021, 143, 16824-16838.	13.7	6
30	Microcavity-coupled fiber Bragg grating with tunable reflection spectra and speed of light. <i>Optics Letters</i> , 2018, 43, 1662.	3.3	5
31	Ringling phenomenon in chaotic microcavity for high-speed ultra-sensitive sensing. <i>Scientific Reports</i> , 2016, 6, 38922.	3.3	4
32	Insights into Ice Formation via Immersion Freezing from Nonlinear Optical Spectroscopy. <i>Topics in Catalysis</i> , 2018, 61, 1163-1168.	2.8	3
33	Revisiting the absorption and transmission properties of coupled open waveguides. <i>Photonics Research</i> , 2018, 6, 1003.	7.0	2
34	Chirality discrimination at the carvone air/liquid interfaces detected by heterodyne-detected sum frequency generation. <i>Heliyon</i> , 2019, 5, e03061.	3.2	1
35	A Hybrid Pneumatic and Piezoelectric 3d Micro Scanner for Cancer Imaging. , 2019, , .		1
36	The nanoscale organization of Nipah virus matrix protein revealed by super-resolution microscopy. <i>Biophysical Journal</i> , 2022, , .	0.5	1

#	ARTICLE	IF	CITATIONS
37	High-resolution broadband sum frequency generation vibrational spectroscopy using intrapulse interference. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 20752-20755.	2.8	0