

# Liang-Yan Hsu

## List of Publications by Year in descending order

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39  
papers

879  
citations

430442

18  
h-index

500791

28  
g-index

41  
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41  
docs citations

41  
times ranked

925  
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmon-Coupled Resonance Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 2357-2367.	2.1	136
2	Energy-Level Alignment for Single-Molecule Conductance of Extended Metal-Atom Chains. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 15734-15738.	7.2	51
3	Plasmon-coupled resonance energy transfer: A real-time electrodynamics approach. <i>Journal of Chemical Physics</i> , 2017, 146, 064109.	1.2	50
4	Conductance of Tailored Molecular Segments: A Rudimentary Assessment by Landauer Formulation. <i>Journal of the American Chemical Society</i> , 2014, 136, 1832-1841.	6.6	41
5	Single-Molecule Phenyl-Acetylene-Macrocyclic-Based Optoelectronic Switch Functioning as a Quantum-Interference-Effect Transistor. <i>Physical Review Letters</i> , 2012, 109, 186801.	2.9	38
6	Characteristic Distance of Resonance Energy Transfer Coupled with Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7032-7039.	2.1	33
7	Plasmon-Coupled Resonance Energy Transfer II: Exploring the Peaks and Dips in the Electromagnetic Coupling Factor. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22650-22659.	1.5	33
8	Quantum dynamics of a molecular emitter strongly coupled with surface plasmon polaritons: A macroscopic quantum electrodynamics approach. <i>Journal of Chemical Physics</i> , 2019, 151, 014105.	1.2	33
9	Entropy-based time-varying window width selection for nonlinear-type time-frequency analysis. <i>International Journal of Data Science and Analytics</i> , 2017, 3, 231-245.	2.4	32
10	Charge Transport Through a Single Molecular Wire Based on Linear Multimetal Complexes: A Non-Equilibrium Green's Functions Function Approach. <i>Journal of Physical Chemistry C</i> , 2008, 112, 10538-10541.	1.5	31
11	An investigation of quantum transport by the free-electron network model: Resonance and interference effects. <i>Chemical Physics</i> , 2009, 355, 177-182.	0.9	30
12	Molecular Series-Tunneling Junctions. <i>Journal of the American Chemical Society</i> , 2015, 137, 5948-5954.	6.6	30
13	Single-Molecule Electric Revolving Door. <i>Nano Letters</i> , 2013, 13, 5020-5025.	4.5	25
14	Coherent-to-Incoherent Transition of Molecular Fluorescence Controlled by Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 5948-5955.	2.1	24
15	A new time-frequency method to reveal quantum dynamics of atomic hydrogen in intense laser pulses: Synchrosqueezing transform. <i>AIP Advances</i> , 2014, 4, 117138.	0.6	21
16	Photoinduced Anomalous Coulomb Blockade and the Role of Triplet States in Electron Transport through an Irradiated Molecular Transistor. <i>Nano Letters</i> , 2018, 18, 5015-5023.	4.5	21
17	Can Nanocavities Significantly Enhance Resonance Energy Transfer in a Single Donor-Acceptor Pair?. <i>Journal of Physical Chemistry C</i> , 2021, 125, 18119-18128.	1.5	21
18	Controllable Frequency Dependence of Resonance Energy Transfer Coupled with Localized Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6796-6804.	2.1	19

#	ARTICLE	IF	CITATIONS
19	Gate Control of the Conduction Mechanism Transition from Tunneling to Thermally Activated Hopping. <i>Journal of Physical Chemistry Letters</i> , 2014, 5, 1831-1836.	2.1	18
20	Light-driven electron transport through a molecular junction based on cross-conjugated systems. <i>Journal of Chemical Physics</i> , 2014, 141, 124703.	1.2	17
21	Reaction: New Insights into Molecular Electronics. <i>CheM</i> , 2017, 3, 378-379.	5.8	17
22	Theory of molecular emission power spectra. I. Macroscopic quantum electrodynamics formalism. <i>Journal of Chemical Physics</i> , 2020, 153, 184102.	1.2	17
23	Transport through a mixed-valence molecular transistor in the sequential-tunneling regime: Theoretical insight from the two-site Peierls-Hubbard model. <i>Journal of Chemical Physics</i> , 2010, 133, 144705.	1.2	15
24	Bandwidth, intensity, and lineshape of the transmission spectrum in the single molecular junction. <i>Chemical Physics Letters</i> , 2008, 457, 279-283.	1.2	13
25	Theory of molecular conductance using a modular approach. <i>Journal of Chemical Physics</i> , 2016, 145, 234702.	1.2	13
26	Conductance and activation energy for electron transport in series and parallel intramolecular circuits. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 32087-32095.	1.3	12
27	Large-Scale Inhomogeneous Fluorescence Plasmonic Silver Chips: Origin and Mechanism. <i>CheM</i> , 2020, 6, 3396-3408.	5.8	10
28	Quantum transport with electronic relaxation in electrodes: Landauer-type formulas derived from the driven Liouville-von Neumann approach. <i>Journal of Chemical Physics</i> , 2020, 153, 044103.	1.2	10
29	Exploring laser-driven quantum phenomena from a time-frequency analysis perspective: a comprehensive study. <i>Optics Express</i> , 2015, 23, 30459.	1.7	9
30	Simple but accurate estimation of light-matter coupling strength and optical loss for a molecular emitter coupled with photonic modes. <i>Journal of Chemical Physics</i> , 2021, 155, 134117.	1.2	9
31	Theory of molecular emission power spectra. II. Angle, frequency, and distance dependence of electromagnetic environment factor of a molecular emitter in plasmonic environments. <i>Journal of Chemical Physics</i> , 2021, 155, 074101.	1.2	8
32	Coherent light-driven electron transport through polycyclic aromatic hydrocarbon: laser frequency, field intensity, and polarization angle dependence. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 20617-20629.	1.3	6
33	Gate Control of Artificial Single-Molecule Electric Machines. <i>Journal of Physical Chemistry C</i> , 2015, 119, 4573-4579.	1.5	5
34	Electric Current Fluctuations Induced by Molecular Vibrations in the Adiabatic Limit: Molecular Dynamics-Driven Liouville von Neumann Approach. <i>Journal of Physical Chemistry C</i> , 2019, 123, 10746-10755.	1.5	5
35	Photoinduced anomalous Coulomb blockade and the role of triplet states in electron transport through an irradiated molecular transistor. II. Effects of electron-phonon coupling and vibrational relaxation. <i>Journal of Chemical Physics</i> , 2019, 151, 054704.	1.2	3
36	Coherent revival of tunneling. <i>Physical Review B</i> , 2015, 92, .	1.1	2

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37	Design of Plasmon Resonance Shifts by the Galvanic Replacement Degree of Au@Ag Nanozappers. Journal of Physical Chemistry C, 2019, 123, 29298-29305.	1.5	1
38	Vibration-induced symmetry breaking in hybrid light-matter dimer states. Journal of the Chinese Chemical Society, 0, , .	0.8	1
39	Molecules strongly coupled with plasmon polaritons: a macroscopic quantum electrodynamics approach. , 2021, , .		0