

Liang-Yan Hsu

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

38

papers

617

citations

16

h-index

23

g-index

41

ext. papers

748

ext. citations

5.8

avg, IF

4.41

L-index

#	Paper	IF	Citations
38	Plasmon-Coupled Resonance Energy Transfer. <i>Journal of Physical Chemistry Letters</i> , 2017 , 8, 2357-2367	6.4	91
37	Energy-Level Alignment for Single-Molecule Conductance of Extended Metal-Atom Chains. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 15734-8	16.4	41
36	Conductance of tailored molecular segments: a rudimentary assessment by Landauer formulation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 1832-41	16.4	36
35	Plasmon-coupled resonance energy transfer: A real-time electrodynamic approach. <i>Journal of Chemical Physics</i> , 2017 , 146, 064109	3.9	35
34	Single-molecule phenyl-acetylene-macrocycle-based optoelectronic switch functioning as a quantum-interference-effect transistor. <i>Physical Review Letters</i> , 2012 , 109, 186801	7.4	31
33	An investigation of quantum transport by the free-electron network model: Resonance and interference effects. <i>Chemical Physics</i> , 2009 , 355, 177-182	2.3	30
32	Charge Transport Through a Single Molecular Wire Based on Linear Multimetal Complexes: A Non-Equilibrium Green's Function Approach. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 10538-10541	3.8	30
31	Single-molecule electric revolving door. <i>Nano Letters</i> , 2013 , 13, 5020-5	11.5	24
30	Molecular series-tunneling junctions. <i>Journal of the American Chemical Society</i> , 2015 , 137, 5948-54	16.4	21
29	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	21
28	Characteristic Distance of Resonance Energy Transfer Coupled with Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 7032-7039	6.4	21
27	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	3.8	20
26	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	11.5	18
25	Quantum dynamics of a molecular emitter strongly coupled with surface plasmon polaritons: A macroscopic quantum electrodynamic approach. <i>Journal of Chemical Physics</i> , 2019 , 151, 014105	3.9	17
24	Gate Control of the Conduction Mechanism Transition from Tunneling to Thermally Activated Hopping. <i>Journal of Physical Chemistry Letters</i> , 2014 , 5, 1831-6	6.4	16
23	Light-driven electron transport through a molecular junction based on cross-conjugated systems. <i>Journal of Chemical Physics</i> , 2014 , 141, 124703	3.9	16
22	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	1.5	15

21	Reaction: New Insights into Molecular Electronics. <i>CheM</i> , 2017 , 3, 378-379	16.2	15
20	Energy-Level Alignment for Single-Molecule Conductance of Extended Metal-Atom Chains. <i>Angewandte Chemie</i> , 2015 , 127, 15960-15964	3.6	14
19	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	3.9	14
18	Bandwidth, intensity, and lineshape of the transmission spectrum in the single molecular junction. <i>Chemical Physics Letters</i> , 2008 , 457, 279-283	2.5	12
17	Conductance and activation energy for electron transport in series and parallel intramolecular circuits. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 32087-32095	3.6	11
16	Theory of molecular conductance using a modular approach. <i>Journal of Chemical Physics</i> , 2016 , 145, 234702	3.7	11
15	Coherent-to-Incoherent Transition of Molecular Fluorescence Controlled by Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 5948-5955	6.4	8
14	Exploring laser-driven quantum phenomena from a time-frequency analysis perspective: a comprehensive study. <i>Optics Express</i> , 2015 , 23, 30459-82	3.3	7
13	Controllable Frequency Dependence of Resonance Energy Transfer Coupled with Localized Surface Plasmon Polaritons. <i>Journal of Physical Chemistry Letters</i> , 2020 , 11, 6796-6804	6.4	7
12	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, 20617-29	3.6	6
11	Gate Control of Artificial Single-Molecule Electric Machines. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 4573-4579	3.8	5
10	Large-Scale Inhomogeneous Fluorescence Plasmonic Silver Chips: Origin and Mechanism. <i>CheM</i> , 2020 , 6, 3396-3408	16.2	5
9	Theory of molecular emission power spectra. I. Macroscopic quantum electrodynamics formalism. <i>Journal of Chemical Physics</i> , 2020 , 153, 184102	3.9	4
8	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	3.9	3
7	Can Nanocavities Significantly Enhance Resonance Energy Transfer in a Single Donor-Acceptor Pair?. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 18119-18128	3.8	3
6	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	3.8	2
5	Coherent revival of tunneling. <i>Physical Review B</i> , 2015 , 92,	3.3	2
4	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	3.9	2

3	Design of Plasmon Resonance Shifts by the Galvanic Replacement Degree of AuAg Nanozappers. <i>Journal of Physical Chemistry C</i> , 2019 , 123, 29298-29305	3.8	1
2	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	3.9	1
1	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	3.9	1