

Tung-Chun Lee

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

3,934
citations

236925

25
h-index

189892

50
g-index

54
all docs

54
docs citations

54
times ranked

5955
citing authors

#	ARTICLE	IF	CITATIONS
1	Hybrid nanocolloids with programmed three-dimensional shape and material composition. <i>Nature Materials</i> , 2013, 12, 802-807.	27.5	432
2	Swimming by reciprocal motion at low Reynolds number. <i>Nature Communications</i> , 2014, 5, 5119.	12.8	349
3	Precise Subnanometer Plasmonic Junctions for SERS within Gold Nanoparticle Assemblies Using Cucurbit[5]uril. <i>ACS Nano</i> , 2011, 5, 3878-3887.	14.6	322
4	Utilising inorganic nanocarriers for gene delivery. <i>Biomaterials Science</i> , 2016, 4, 70-86.	5.4	297
5	Self-Propelling Nanomotors in the Presence of Strong Brownian Forces. <i>Nano Letters</i> , 2014, 14, 2407-2412.	9.1	257
6	Multi-functional fluorescent carbon dots with antibacterial and gene delivery properties. <i>RSC Advances</i> , 2015, 5, 46817-46822.	3.6	242
7	Supramolecular Peptide Amphiphile Vesicles through Host-Guest Complexation. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 9633-9637.	13.8	191
8	Triply Triggered Doxorubicin Release From Supramolecular Nanocontainers. <i>Biomacromolecules</i> , 2012, 13, 84-91.	5.4	174
9	Dispersion and shape engineered plasmonic nanosensors. <i>Nature Communications</i> , 2016, 7, 11331.	12.8	154
10	Chemistry inside molecular containers in the gas phase. <i>Nature Chemistry</i> , 2013, 5, 376-382.	13.6	144
11	Formation of dynamic aggregates in water by cucurbit[5]uril capped with gold nanoparticles. <i>Chemical Communications</i> , 2010, 46, 2438.	4.1	124
12	Recent advances in gold nanoparticles for biomedical applications: from hybrid structures to multi-functionality. <i>Journal of Materials Chemistry B</i> , 2019, 7, 3480-3496.	5.8	115
13	Nanohelices by shadow growth. <i>Nanoscale</i> , 2014, 6, 9457-9466.	5.6	105
14	Supramolecular gold nanoparticle-polymer composites formed in water with cucurbit[8]uril. <i>Chemical Communications</i> , 2011, 47, 164-166.	4.1	89
15	Triggered insulin release studies of triply responsive supramolecular micelles. <i>Polymer Chemistry</i> , 2012, 3, 3180.	3.9	80
16	A Facile Synthesis of Dynamic Supramolecular Aggregates of Cucurbit[5]uril Capped with Gold Nanoparticles in Aqueous Media. <i>Chemistry - A European Journal</i> , 2012, 18, 1628-1633.	3.3	79
17	Raman and SERS spectroscopy of cucurbit[n]urils. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10429.	2.8	71
18	Chiral Nanomagnets. <i>ACS Photonics</i> , 2014, 1, 1231-1236.	6.6	70

#	ARTICLE	IF	CITATIONS
19	Supramolecular polymeric peptide amphiphile vesicles for the encapsulation of basic fibroblast growth factor. <i>Chemical Communications</i> , 2014, 50, 3033-3035.	4.1	68
20	Biocompatible pH-responsive nanoparticles with a core-anchored multilayer shell of triblock copolymers for enhanced cancer therapy. <i>Journal of Materials Chemistry B</i> , 2017, 5, 4421-4425.	5.8	64
21	Active Nanorheology with Plasmonics. <i>Nano Letters</i> , 2016, 16, 4887-4894.	9.1	57
22	Supramolecular Hydrogels: Design Strategies and Contemporary Biomedical Applications. <i>Chemistry - an Asian Journal</i> , 2022, 17, e202200081.	3.3	34
23	An annealing-free aqueous-processed anatase TiO ₂ compact layer for efficient planar heterojunction perovskite solar cells. <i>Chemical Communications</i> , 2017, 53, 10882-10885.	4.1	31
24	Selective Detection of Nitroexplosives Using Molecular Recognition within Self-Assembled Plasmonic Nanojunctions. <i>Journal of Physical Chemistry C</i> , 2019, 123, 15769-15776.	3.1	31
25	Polymer-Mediated Dispersion of Gold Nanoparticles: Using Supramolecular Moieties on the Periphery. <i>Advanced Materials</i> , 2009, 21, 3937-3940.	21.0	29
26	Enhanced Efficiency and Stability of Planar Perovskite Solar Cells Using a Dual Electron Transport Layer of Gold Nanoparticles Embedded in Anatase TiO ₂ Films. <i>ACS Applied Energy Materials</i> , 2020, 3, 9568-9575.	5.1	28
27	SERS biosensors based on cucurbituril-mediated nanoaggregates for wastewater-based epidemiology. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116485.	11.4	21
28	Corrosion-Protected Hybrid Nanoparticles. <i>Advanced Science</i> , 2017, 4, 1700234.	11.2	20
29	Ultrahigh binding affinity of a hydrocarbon guest inside cucurbit[7]uril enhanced by strong host-guest charge matching. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 14521-14529.	2.8	19
30	Direct Visualization of Symmetry Breaking During Janus Nanoparticle Formation. <i>Small</i> , 2012, 8, 2698-2703.	10.0	18
31	Artificial molecular and nanostructures for advanced nanomachinery. <i>Chemical Communications</i> , 2018, 54, 4075-4090.	4.1	18
32	Gene Delivery by Functional Inorganic Nanocarriers. <i>Recent Patents on DNA & Gene Sequences</i> , 2012, 6, 108-114.	0.7	16
33	Dual-triggered nanoaggregates of cucurbit[7]uril and gold nanoparticles for multi-spectroscopic quantification of creatinine in urinalysis. <i>Journal of Materials Chemistry C</i> , 2020, 8, 7051-7058.	5.5	16
34	Dynamic Inclusion Complexes of Metal Nanoparticles Inside Nanocups. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6730-6734.	13.8	15
35	SERS multiplexing of methylxanthine drug isomers <i>via</i> host-guest size matching and machine learning. <i>Journal of Materials Chemistry C</i> , 2021, 9, 12624-12632.	5.5	15
36	Effect of end-groups on sulfobetaine homopolymers with the tunable upper critical solution temperature (UCST). <i>European Polymer Journal</i> , 2020, 132, 109704.	5.4	15

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37	Selectable Nanopattern Arrays for Nanolithographic Imprint and Etch Mask Applications. <i>Advanced Science</i> , 2015, 2, 1500016.	11.2	14
38	Synthesis of star-shaped polyzwitterions with adjustable UCST and fast responsiveness by a facile RAFT polymerization. <i>Polymer Chemistry</i> , 2020, 11, 3162-3168.	3.9	14
39	Cucurbituril-mediated quantum dot aggregates formed by aqueous self-assembly for sensing applications. <i>Chemical Communications</i> , 2019, 55, 5495-5498.	4.1	11
40	Supramolecular Catalysis of <i>m</i> -Xylene Isomerization by Cucurbiturils: Transition State Stabilization, Vibrational Coupling, and Dynamic Binding Equilibrium. <i>Journal of Physical Chemistry C</i> , 2020, 124, 11469-11479.	3.1	11
41	Platinum tungsten oxide (Pt-WO ₃) nanoparticles: their preparation in glycol and electrocatalytic properties. <i>Journal of Experimental Nanoscience</i> , 2006, 1, 113-123.	2.4	10
42	Supramolecular gating of guest release from cucurbit[7]uril using de novo design. <i>Npj Computational Materials</i> , 2022, 8, .	8.7	9
43	Rapid Estimation of Binding Constants for Cucurbit[8]uril Ternary Complexes Using Electrochemistry. <i>Analytical Chemistry</i> , 2021, 93, 4223-4230.	6.5	6
44	Modulating the reaction pathway of phenyl diazonium ions using host-guest complexation with cucurbit[7]uril. <i>Chemical Communications</i> , 2022, 58, 3617-3620.	4.1	6
45	CHAPTER 8. Hydrogels for Biomedical Applications. <i>Monographs in Supramolecular Chemistry</i> , 2012, , 167-209.	0.2	3
46	Diffusional microfluidics for protein analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 146, 116508.	11.4	2
47	Quantitative SERS Detection of Uric Acid via Formation of Precise Plasmonic Nanojunctions within Aggregates of Gold Nanoparticles and Cucurbit[<i>n</i>]uril. <i>Journal of Visualized Experiments</i> , 2020, , .	0.3	1
48	Frontispiece: Dynamic Inclusion Complexes of Metal Nanoparticles Inside Nanocups. <i>Angewandte Chemie - International Edition</i> , 2015, 54, .	13.8	0
49	Frontispiz: Dynamic Inclusion Complexes of Metal Nanoparticles Inside Nanocups. <i>Angewandte Chemie</i> , 2015, 127, n/a-n/a.	2.0	0
50	Hybrid Nanoparticles: Corrosion-Protected Hybrid Nanoparticles (<i>Adv. Sci.</i> 12/2017). <i>Advanced Science</i> , 2017, 4, 1770059.	11.2	0