

# Chi-Tsu Yuan

## List of Publications by Citations

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44  
papers

586  
citations

14  
h-index

21  
g-index

48  
ext. papers

736  
ext. citations

5.5  
avg, IF

3.84  
L-index

#	Paper	IF	Citations
44	Antibunching single-photon emission and blinking suppression of CdSe/ZnS quantum dots. <i>ACS Nano</i> , <b>2009</b> , 3, 3051-6	16.7	55
43	Laser-ablation production of graphene oxide nanostructures: from ribbons to quantum dots. <i>Nanoscale</i> , <b>2015</b> , 7, 2708-15	7.7	51
42	Modification of Fluorescence Properties in Single Colloidal Quantum Dots by Coupling to Plasmonic Gap Modes. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 12762-12768	3.8	35
41	Greener Luminescent Solar Concentrators with High Loading Contents Based on in Situ Cross-Linked Carbon Nanodots for Enhancing Solar Energy Harvesting and Resisting Concentration-Induced Quenching. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 34184-34192	9.5	32
40	Effect of nitrogen doping on the photoluminescence intensity of graphene quantum dots. <i>Optics Letters</i> , <b>2017</b> , 42, 3642-3645	3	24
39	Modification of Photon Emission Statistics from Single Colloidal CdSe Quantum Dots by Conductive Materials. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 18126-18132	3.8	23
38	Structural, optical and excitonic properties of $\text{MAXCs}_{1-x}\text{Pb}(\text{IxBr}_{1-x})_3$ alloy thin films and their application in solar cells. <i>Solar Energy Materials and Solar Cells</i> , <b>2020</b> , 210, 110478	6.4	20
37	Single-particle studies of band alignment effects on electron transfer dynamics from semiconductor hetero-nanostructures to single-walled carbon nanotubes. <i>ACS Nano</i> , <b>2012</b> , 6, 176-82	16.7	20
36	Study of Fluorescence Enhancement of Colloidal CdSe/ZnS Quantum Dots Bound to Hexadecylamine by Single-Molecule Measurements. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 15166-15172	3.8	20
35	Origins of the s-shape characteristic in J-V curve of inverted-type perovskite solar cells. <i>Nanotechnology</i> , <b>2020</b> , 31, 115403	3.4	20
34	Engineering Ligand-Metal Charge Transfer States in Cross-Linked Gold Nanoclusters for Greener Luminescent Solar Concentrators with Solid-State Quantum Yields Exceeding 50% and Low Reabsorption Losses. <i>Journal of Physical Chemistry C</i> , <b>2018</b> , 122, 20019-20026	3.8	19
33	Singlet and Triplet Carrier Dynamics in Rubrene Single Crystal. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 17741-17747	3.8	19
32	Effects of the washing-enhanced nucleation process on the material properties and performance of perovskite solar cells. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 808, 151723	5.7	17
31	Enhanced Performance of GaN-based Ultraviolet Light Emitting Diodes by Photon Recycling Using Graphene Quantum Dots. <i>Scientific Reports</i> , <b>2017</b> , 7, 7108	4.9	17
30	Coordination-induced emission enhancement in gold-nanoclusters with solid-state quantum yields up to 40% for eco-friendly, low-reabsorption nano-phosphors. <i>Scientific Reports</i> , <b>2019</b> , 9, 4053	4.9	14
29	Influences of light intensity on fluorescence lifetime of nanorods and quantum dots. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 223110	3.4	14
28	Visible-Transparent Luminescent Solar Concentrators Based on Carbon Nanodots in the Siloxane Matrix with Ultrahigh Quantum Yields and Optical Transparency at High-Loading Contents. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 567-573	6.4	14

27	Origins of excitation-wavelength-dependent photoluminescence in WS <sub>2</sub> quantum dots. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 092106	3.4	13
26	Diethylenetriamine-Doped Graphene Oxide Quantum Dots with Tunable Photoluminescence for Optoelectronic Applications. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 3925-3933	5.6	12
25	Influence of bin time and excitation intensity on fluorescence lifetime distribution and blinking statistics of single quantum dots. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 163101	3.4	12
24	Eco-Friendly, High-Loading Luminescent Solar Concentrators with Concurrently Enhanced Optical Density and Quantum Yields While Without Sacrificing Edge-Emission Efficiency. <i>Solar Rrl</i> , <b>2019</b> , 3, 1800347	7.1	11
23	On the role of solution-processed bathocuproine in high-efficiency inverted perovskite solar cells. <i>Solar Energy</i> , <b>2021</b> , 218, 142-149	6.8	10
22	Eco-friendly luminescent solar concentrators with low reabsorption losses and resistance to concentration quenching based on aqueous-solution-processed thiolate-gold nanoclusters. <i>Nanotechnology</i> , <b>2017</b> , 28, 375702	3.4	9
21	Substrate-induced strain in 2D layered GaSe materials grown by molecular beam epitaxy. <i>Scientific Reports</i> , <b>2020</b> , 10, 12972	4.9	9
20	P-Type Doping of WS <sub>2</sub> Quantum Dots via Pulsed Laser Ablation. <i>ACS Photonics</i> , <b>2018</b> , 5, 4828-4837	6.3	9
19	Solid-state, ambient-operation thermally activated delayed fluorescence from flexible, non-toxic gold-nanocluster thin films: towards the development of biocompatible light-emitting devices. <i>Nanotechnology</i> , <b>2016</b> , 27, 345701	3.4	8
18	Enhanced Conversion Efficiency of III-V Triple-junction Solar Cells with Graphene Quantum Dots. <i>Scientific Reports</i> , <b>2016</b> , 6, 39163	4.9	8
17	Synthesis of Silver Nanoprisms and Nanodiscs an Applications in Fluorescence Blinking Suppression. <i>Journal of the Chinese Chemical Society</i> , <b>2010</b> , 57, 528-533	1.5	7
16	Thermally-activated delayed fluorescence from biocompatible, solid-state gold nanoclusters embedded into ionic-crystal matrices. <i>Journal of Luminescence</i> , <b>2017</b> , 187, 269-273	3.8	6
15	Growing high-quality ternary CdMnTe epilayers by molecular beam epitaxy on Si substrates and its mechanism. <i>Journal of Alloys and Compounds</i> , <b>2015</b> , 646, 129-134	5.7	6
14	A facile method to prepare "green" nano-phosphors with a large Stokes-shift and solid-state enhanced photophysical properties based on surface-modified gold nanoclusters. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 508, 105-111	9.3	6
13	Improving surface smoothness and photoluminescence of CdTe(1 1 1)A on Si(1 1 1) substrates grown by molecular beam epitaxy using Mn atoms. <i>Journal of Alloys and Compounds</i> , <b>2014</b> , 592, 53-56	5.7	6
12	Simple and Fast Method To Fabricate Single-Nanoparticle-Terminated Atomic Force Microscope Tips. <i>Journal of Physical Chemistry C</i> , <b>2013</b> , 117, 13239-13246	3.8	6
11	Utilizing host-guest interaction enables the simultaneous enhancement of the quantum yield and Stokes shift in organosilane-functionalized, nitrogen-containing carbon dots for laminated luminescent solar concentrators. <i>Nanoscale</i> , <b>2020</b> , 12, 23537-23545	7.7	6
10	Structural, optical and excitonic properties of urea grading doped CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> thin films and their application in inverted-type perovskite solar cells. <i>Journal of Alloys and Compounds</i> , <b>2021</b> , 858, 157660	5.7	6

9	Highly transparent and luminescent gel glass based on reabsorption-free gold nanoclusters. <i>Nanoscale</i> , <b>2020</b> , 12, 10781-10789	7.7	4
8	Modification of Spontaneous Emission Rates of Self-assembled CdSe Quantum Dots by Coupling to Hybrid Optical Nanoantennas. <i>Plasmonics</i> , <b>2017</b> , 12, 433-438	2.4	3
7	Carbon Nanodots with Sub-Nanosecond Spontaneous Emission Lifetime. <i>ChemPhysChem</i> , <b>2017</b> , 18, 42-46.2	9.2	3
6	Observation of localized surface plasmons in spatially controlled array structures. <i>Nanotechnology</i> , <b>2009</b> , 20, 305202	3.4	3
5	Electronically Coupled Gold Nanoclusters Render Deep-Red Emission with High Quantum Yields. <i>Journal of Physical Chemistry Letters</i> , <b>2020</b> , 11, 9344-9350	6.4	3
4	Tunnel injection from WS quantum dots to InGaN/GaN quantum wells.. <i>RSC Advances</i> , <b>2018</b> , 8, 15399-15404	4.4	2
3	Regioregularity effects of p-type P3CT-Na polymers on inverted perovskite photovoltaic cells. <i>Organic Electronics</i> , <b>2022</b> , 102, 106449	3.5	2
2	Aggregation-induced negative differential resistance in graphene oxide quantum dots. <i>Physical Chemistry Chemical Physics</i> , <b>2021</b> , 23, 16909-16914	3.6	1
1	Perylene Tetracarboxylic Acid Crosslinked to Silica Matrix that Enables Ultrahigh Solid-State Quantum Yield and Efficient Photon Recycling for Holographic Luminescent Solar Concentrators. <i>Solar Rrl</i> , 2100955	7.1	