

# Yit-Tsong Chen

## List of Publications by Year in descending order

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140  
papers

6,780  
citations

57631

44  
h-index

66788

78  
g-index

140  
all docs

140  
docs citations

140  
times ranked

9462  
citing authors

#	ARTICLE	IF	CITATIONS
1	High Performance and Bendable Few-Layered InSe Photodetectors with Broad Spectral Response. Nano Letters, 2014, 14, 2800-2806.	4.5	690
2	Silicon nanowire field-effect transistor-based biosensors for biomedical diagnosis and cellular recording investigation. Nano Today, 2011, 6, 131-154.	6.2	568
3	Intrinsic Electron Mobility Exceeding $10^3 \text{ cm}^2/(\text{V s})$ in Multilayer InSe FETs. Nano Letters, 2015, 15, 3815-3819.	4.5	354
4	An Ultrasensitive Nanowire-Transistor Biosensor for Detecting Dopamine Release from Living PC12 Cells under Hypoxic Stimulation. Journal of the American Chemical Society, 2013, 135, 16034-16037.	6.6	206
5	The photoluminescence from hydrogen-related species in composites of SiO <sub>2</sub> nanoparticles. Applied Physics Letters, 1999, 75, 778-780.	1.5	152
6	Three-Dimensional Heterostructures of MoS <sub>2</sub> Nanosheets on Conducting MoO <sub>3</sub> as an Efficient Electrocatalyst To Enhance Hydrogen Evolution Reaction. ACS Applied Materials & Interfaces, 2015, 7, 23328-23335.	4.0	150
7	Synthesis and properties of carbon nanospheres grown by CVD using Kaolin supported transition metal catalysts. Carbon, 2004, 42, 813-822.	5.4	144
8	Surface-Enhanced Raman Scattering and Polarized Photoluminescence from Catalytically Grown CdSe Nanobelts and Sheets. Journal of the American Chemical Society, 2005, 127, 11262-11268.	6.6	142
9	Two-photon-excited luminescence and defect formation in SiO <sub>2</sub> nanoparticles induced by 6.4-eV ArF laser light. Physical Review B, 2000, 62, 4733-4743.	1.1	140
10	High photosensitivity and broad spectral response of multi-layered germanium sulfide transistors. Nanoscale, 2016, 8, 2284-2292.	2.8	129
11	High-Quality Graphene <i>p-n</i> Junctions <i>via</i> Resist-free Fabrication and Solution-Based Noncovalent Functionalization. ACS Nano, 2011, 5, 2051-2059.	7.3	116
12	Label-free detection of protein-protein interactions using a calmodulin-modified nanowire transistor. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 1047-1052.	3.3	115
13	Size effect in self-trapped exciton photoluminescence from SiO <sub>2</sub> -based nanoscale materials. Physical Review B, 2001, 64, .	1.1	109
14	Binder-free rice husk-based silicon-graphene composite as energy efficient Li-ion battery anodes. Journal of Materials Chemistry A, 2014, 2, 13437-13441.	5.2	109
15	Biologically inspired graphene-chlorophyll phototransistors with high gain. Carbon, 2013, 63, 23-29.	5.4	100
16	Photoluminescence and Raman Scattering from Catalytically Grown ZnxCd1-xSe Alloy Nanowires. Journal of Physical Chemistry B, 2006, 110, 11691-11696.	1.2	98
17	Time-resolved photoluminescence study of silica nanoparticles as compared to bulk type-III fused silica. Physical Review B, 2002, 66, .	1.1	94
18	Catalytic Growth of Silicon Nanowires Assisted by Laser Ablation. Journal of Physical Chemistry B, 2004, 108, 846-852.	1.2	91

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19	Solvothermal Preparation and Spectroscopic Characterization of Copper Indium Diselenide Nanorods. <i>Journal of Physical Chemistry B</i> , 2006, 110, 17370-17374.	1.2	86
20	Biomolecular recognition with a sensitivity-enhanced nanowire transistor biosensor. <i>Biosensors and Bioelectronics</i> , 2013, 45, 252-259.	5.3	86
21	A reversible surface functionalized nanowire transistor to study protein-protein interactions. <i>Nano Today</i> , 2009, 4, 235-243.	6.2	82
22	IR spectroscopy and theoretical vibrational calculation of the melamine molecule. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 3445-3451.	1.7	81
23	Wide-field imaging and flow cytometric analysis of cancer cells in blood by fluorescent nanodiamond labeling and time gating. <i>Scientific Reports</i> , 2014, 4, 5574.	1.6	80
24	Raman scattering of L-tryptophan enhanced by surface plasmon of silver nanoparticles: vibrational assignment and structural determination. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 150-156.	1.2	79
25	Ultra-Thin Layered Ternary Single Crystals [Sn(S <sub>x</sub> Se <sub>1-x</sub> ) <sub>2</sub> ] with Bandgap Engineering for High Performance Phototransistors on Versatile Substrates. <i>Advanced Functional Materials</i> , 2016, 26, 3630-3638.	7.8	77
26	In-Situ Detection of Chromogranin-A Released from Living Neurons with a Single-Walled Carbon-Nanotube Field-Effect Transistor. <i>Small</i> , 2007, 3, 1350-1355.	5.2	76
27	Growth of Large-Area Graphene Single Crystals in Confined Reaction Space with Diffusion-Driven Chemical Vapor Deposition. <i>Chemistry of Materials</i> , 2015, 27, 6249-6258.	3.2	72
28	On the theoretical investigation of vibronic spectra of ethylene by ab initio calculations of the Franck-Condon factors. <i>Journal of Chemical Physics</i> , 1996, 105, 9007-9020.	1.2	68
29	Fluorescent nanodiamonds enable quantitative tracking of human mesenchymal stem cells in miniature pigs. <i>Scientific Reports</i> , 2017, 7, 45607.	1.6	68
30	Highly Sensitive, Visible Blind, Wearable, and Omnidirectional Near-Infrared Photodetectors. <i>ACS Nano</i> , 2018, 12, 9596-9607.	7.3	62
31	Photoluminescence Spectroscopy of Silica-Based Mesoporous Materials. <i>Journal of Physical Chemistry B</i> , 2000, 104, 8652-8663.	1.2	61
32	Screening limited switching performance of multilayer 2D semiconductor FETs: the case for SnS. <i>Nanoscale</i> , 2016, 8, 19050-19057.	2.8	59
33	Transparent, Wearable, Broadband, and Highly Sensitive Upconversion Nanoparticles and Graphene-Based Hybrid Photodetectors. <i>ACS Photonics</i> , 2018, 5, 2336-2347.	3.2	59
34	Ab initio study of the n- $\pi^*$ electronic transition in acetone: Symmetry-forbidden vibronic spectra. <i>Journal of Chemical Physics</i> , 1999, 111, 205-215.	1.2	58
35	Tuning Rashba Spin-Orbit Coupling in Gated Multilayer InSe. <i>Nano Letters</i> , 2018, 18, 4403-4408.	4.5	58
36	$\pi$ - $\pi^*$ vibronic spectrum of ethylene from ab initio calculations of the Franck-Condon factors. <i>Chemical Physics Letters</i> , 1996, 258, 53-62.	1.2	57

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37	Chemical Vapor Deposition Synthesis and Raman Spectroscopic Characterization of Large-Area Graphene Sheets. <i>Journal of Physical Chemistry A</i> , 2013, 117, 9454-9461.	1.1	57
38	Photoluminescence from mesoporous silica: Similarity of properties to porous silicon. <i>Applied Physics Letters</i> , 2000, 77, 3968-3970.	1.5	56
39	Advances in nanowire transistors for biological analysis and cellular investigation. <i>Analyst</i> , The, 2014, 139, 1589.	1.7	52
40	A Highly-Efficient Single Segment White Random Laser. <i>ACS Nano</i> , 2018, 12, 11847-11859.	7.3	51
41	A stable silicon/graphene composite using solvent exchange method as anode material for lithium ion batteries. <i>Carbon</i> , 2013, 63, 397-403.	5.4	50
42	Epitaxial growth of vertically stacked p-MoS <sub>2</sub> /n-MoS <sub>2</sub> heterostructures by chemical vapor deposition for light emitting devices. <i>Nano Energy</i> , 2017, 32, 454-462.	8.2	50
43	Improving Nanowire Sensing Capability by Electrical Field Alignment of Surface Probing Molecules. <i>Nano Letters</i> , 2013, 13, 2564-2569.	4.5	49
44	Ab initio molecular orbital study of excited electronic states of the vinyl radical. <i>Chemical Physics Letters</i> , 1997, 275, 19-27.	1.2	47
45	Red and near-infrared photoluminescence from silica-based nanoscale materials: Experimental investigation and quantum-chemical modeling. <i>Journal of Chemical Physics</i> , 2002, 116, 281.	1.2	44
46	Theoretical study of isomeric structures and low-lying electronic states of the vinyl radical C <sub>2</sub> H <sub>3</sub> . <i>Chemical Physics</i> , 1996, 206, 43-56.	0.9	42
47	Stimulated emission pumping spectroscopy of HCP near the isomerization barrier: EVIB $\sigma_{25} = 315 \text{ cm}^{-1}$ . <i>Journal of Chemical Physics</i> , 1996, 105, 7383-7401.	1.2	42
48	Photoluminescence from mesoporous silica akin to that from nanoscale silicon: the nature of light-emitters. <i>Chemical Physics Letters</i> , 2002, 358, 180-186.	1.2	41
49	Electron hopping conduction in highly disordered carbon coils. <i>Carbon</i> , 2009, 47, 1761-1769.	5.4	40
50	Tin disulfide piezoelectric nanogenerators for biomechanical energy harvesting and intelligent human-robot interface applications. <i>Nano Energy</i> , 2020, 75, 104879.	8.2	40
51	Photodissociation of propyne and allene at 193 nm with vacuum ultraviolet detection of the products. <i>Journal of Chemical Physics</i> , 1999, 110, 3320-3325.	1.2	39
52	Detection of K <sup>+</sup> Efflux from Stimulated Cortical Neurons by an Aptamer-Modified Silicon Nanowire Field-Effect Transistor. <i>ACS Sensors</i> , 2017, 2, 69-79.	4.0	38
53	Observation of highly vibrationally excited $\text{X}^1\text{A}_1$ HCP by stimulated emission pumping spectroscopy. <i>Journal of Chemical Physics</i> , 1990, 93, 2149-2151.	1.2	37
54	Theoretical Study of the Structure, Energetics, and the $n \rightarrow \pi^*$ Electronic Transition of the Acetone + nH <sub>2</sub> O (n = 1-3) Complexes. <i>Journal of Physical Chemistry A</i> , 1997, 101, 9925-9934.	1.1	36

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55	Tracking and Finding Slow Proliferating/Quiescent Cancer Stem Cells with Fluorescent Nanodiamonds. <i>Small</i> , 2015, 11, 4394-4402.	5.2	36
56	Nanowire Transistor-Based Ultrasensitive Virus Detection with Reversible Surface Functionalization. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2073-2079.	1.7	35
57	Monitoring extracellular K <sup>+</sup> flux with a valinomycin-coated silicon nanowire field-effect transistor. <i>Biosensors and Bioelectronics</i> , 2012, 31, 137-143.	5.3	35
58	Exocytosis of a Single Bovine Adrenal Chromaffin Cell: The Electrical and Morphological Studies. <i>Journal of Physical Chemistry B</i> , 2008, 112, 9165-9173.	1.2	34
59	Effect of TiO <sub>2</sub> Nanoparticles on the Improved Surface-Enhanced Raman Scattering of Polypyrrole Deposited on Roughened Gold Substrates. <i>Journal of Physical Chemistry B</i> , 2004, 108, 14897-14900.	1.2	33
60	Synthesis of CoO-Decorated Graphene Hollow Nanoballs for High-Performance Flexible Supercapacitors. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 40426-40432.	4.0	32
61	Surface potential variations on a silicon nanowire transistor in biomolecular modification and detection. <i>Nanotechnology</i> , 2011, 22, 135503.	1.3	31
62	Acidity-activity correlation over bimetallic iron-based ZSM-5 catalysts during selective catalytic reduction of NO by NH <sub>3</sub> . <i>Journal of Molecular Catalysis A</i> , 2016, 423, 423-432.	4.8	31
63	Rydberg states of propyne at 6.8–10.5 eV studied by two-photon resonant ionization spectroscopy and theoretical calculation. <i>Journal of Chemical Physics</i> , 2000, 112, 7384-7393.	1.2	30
64	A Bi-Anti-Ambipolar Field Effect Transistor. <i>ACS Nano</i> , 2021, 15, 8686-8693.	7.3	30
65	Targeted and efficient activation of channelrhodopsins expressed in living cells via specifically-bound upconversion nanoparticles. <i>Nanoscale</i> , 2017, 9, 9457-9466.	2.8	27
66	Photoelectrochemical activity on Ga-polar and N-polar GaN surfaces for energy conversion. <i>Optics Express</i> , 2014, 22, A21.	1.7	26
67	The Fragmentation of Melamine: A Study via Electron-Impact Ionization, Laser-Desorption Ionization, Collision-Induced Dissociation, and Density Functional Calculations of Potential Energy Surface. <i>Journal of Physical Chemistry B</i> , 1999, 103, 582-596.	1.2	25
68	Computational formulas for symmetry-forbidden vibronic spectra and their application to nππ* transition in neat acetone. <i>Journal of Chemical Physics</i> , 2001, 115, 4080-4094.	1.2	25
69	Improved silicon nanowire field-effect transistors for fast protein-protein interaction screening. <i>Lab on A Chip</i> , 2013, 13, 676-684.	3.1	25
70	Ab initio calculations of low-lying electronic states of vinyl chloride. <i>Journal of Chemical Physics</i> , 2002, 116, 7518-7525.	1.2	24
71	Changes in Plasma Membrane Surface Potential of PC12 Cells as Measured by Kelvin Probe Force Microscopy. <i>PLoS ONE</i> , 2012, 7, e33849.	1.1	24
72	Rydberg states of the allyl radical observed by two-photon resonant ionization spectroscopy. <i>Journal of Chemical Physics</i> , 2000, 113, 7286-7291.	1.2	23

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73	Enhancement of the energy photoconversion efficiency through crystallographic etching of a c-plane GaN thin film. <i>Journal of Materials Chemistry</i> , 2010, 20, 8118.	6.7	23
74	Photoinduced Electron Transfer in Dye-Sensitized SnO <sub>2</sub> Nanowire Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2011, 21, 474-479.	7.8	23
75	One-step synthesis of graphene hollow nanoballs with various nitrogen-doped states for electrocatalysis in dye-sensitized solar cells. <i>Materials Today Energy</i> , 2018, 8, 15-21.	2.5	23
76	Hybrid InSe Nanosheets and MoS <sub>2</sub> Quantum Dots for High-Performance Broadband Photodetectors and Photovoltaic Cells. <i>Advanced Materials Interfaces</i> , 2019, 6, 1801336.	1.9	23
77	N- and S-codoped graphene hollow nanoballs as an efficient Pt-free electrocatalyst for dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2020, 449, 227470.	4.0	22
78	Dynasore inhibits rapid endocytosis in bovine chromaffin cells. <i>American Journal of Physiology - Cell Physiology</i> , 2009, 297, C397-C406.	2.1	21
79	One-Step Synthesis of Antioxidative Graphene-Wrapped Copper Nanoparticles on Flexible Substrates for Electronic and Electrocatalytic Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 25067-25072.	4.0	21
80	Lipid-Modified Graphene-Transistor Biosensor for Monitoring Amyloid- $\beta^2$ Aggregation. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12311-12316.	4.0	21
81	Investigations of Ultrafast Exciton Dynamics in Allophycocyanin Trimer. <i>Journal of Physical Chemistry A</i> , 2001, 105, 8878-8891.	1.1	20
82	Differential Releases of Dopamine and Neuropeptide Y from Histamine-Stimulated PC12 Cells Detected by an Aptamer-Modified Nanowire Transistor. <i>Small</i> , 2016, 12, 5524-5529.	5.2	20
83	Two-photon resonant ionization spectroscopy of the allyl-h5 and allyl-d5 radicals: Rydberg states and ionization energies. <i>Journal of Chemical Physics</i> , 2002, 116, 4162-4169.	1.2	19
84	Patterned growth of nanocrystalline silicon thin films through magnesiothermic reduction of soda lime glass. <i>Green Chemistry</i> , 2012, 14, 896.	4.6	19
85	Intracellular Delivery of Luciferase with Fluorescent Nanodiamonds for Dual-Modality Imaging of Human Stem Cells. <i>Bioconjugate Chemistry</i> , 2019, 30, 2228-2237.	1.8	19
86	Stark and Zeeman effects in ethylene observed by sub-Doppler infrared spectroscopy. <i>Journal of Chemical Physics</i> , 1988, 88, 5282-5290.	1.2	18
87	Observation of ground state rotational transitions in silicon tetrafluoride. <i>Journal of Molecular Spectroscopy</i> , 1986, 120, 233-235.	0.4	17
88	Theoretical vibrational and rotational energies and intensities of the HNSi and DNSi molecules. <i>Journal of Chemical Physics</i> , 1993, 98, 1352-1357.	1.2	17
89	High-lying Rydberg states and ionization energy of vinyl chloride studied by two-photon resonant ionization spectroscopy. <i>Chemical Physics Letters</i> , 2000, 325, 369-374.	1.2	17
90	Sn-Doping Enhanced Ultrahigh Mobility In <sub>1-x</sub> Sn <sub>x</sub> Se Phototransistor. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 24269-24278.	4.0	17

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91	On the anomalous A1–A2 splittings in the $\hat{1}/22\text{-}\hat{1}/24$ manifold of PH3. <i>Journal of Molecular Spectroscopy</i> , 1989, 133, 148-156.	0.4	15
92	Ultraviolet laser-induced fluorescence of the C2H radical. <i>Chemical Physics Letters</i> , 1992, 190, 507-513.	1.2	15
93	Photoluminescence properties of silica-based mesoporous materials similar to those of nanoscale silicon. <i>European Physical Journal D</i> , 2001, 16, 279-283.	0.6	15
94	Stoichiometry-Controlled $\text{Mo}_x\text{W}_y\text{Te}_2$ Nanowhiskers: A Novel Electrocatalyst for Pt-Free Dye-Sensitized Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 34815-34824.	4.0	15
95	Two-photon vibronic spectra of vinyl chloride at $7.3 \times 10$ eV. <i>Journal of Chemical Physics</i> , 2001, 115, 5925-5931.	1.2	14
96	Lysophospholipids regulate excitability and exocytosis in cultured bovine chromaffin cells. <i>Journal of Neurochemistry</i> , 2007, 102, 944-956.	2.1	14
97	Phase-Engineered Weyl Semi-Metallic $\text{Mo}_x\text{W}_y\text{Te}_2$ Nanosheets as a Highly Efficient Electrocatalyst for Dye-Sensitized Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1800314.	3.1	14
98	Modulating Charge Separation with Hexagonal Boron Nitride Mediation in Vertical Van der Waals Heterostructures. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 26213-26221.	4.0	14
99	<i>In Situ</i> Spectroelectrochemical Detection of Oxygen Evolution Reaction Intermediates with a Carboxylated Graphene– $\text{MnO}_2$ Electrocatalyst. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 5177-5182.	4.0	14
100	One- and two-photon excitation vibronic spectra of 2-methylallyl radical at $4.6\text{--}5.6$ eV. <i>Journal of Chemical Physics</i> , 2003, 119, 241-250.	1.2	13
101	Ultra-high performance flexible piezopotential gated $\text{In}_x\text{Sn}_y\text{Se}$ phototransistor. <i>Nanoscale</i> , 2018, 10, 18642-18650.	2.8	13
102	Photosynthesis of Gold Nanoparticles in Presence of Proteins. <i>Journal of Nanoscience and Nanotechnology</i> , 2005, 5, 2128-2132.	0.9	12
103	Detecting glycated hemoglobin in human blood samples using a transistor-based nanoelectronic aptasensor. <i>Nano Today</i> , 2021, 41, 101294.	6.2	12
104	Sub-Doppler spectroscopy using a multiple-reflection mirror system. <i>Journal of the Optical Society of America B: Optical Physics</i> , 1986, 3, 935.	0.9	11
105	Comparison of theoretical vibrational and rotational energies of the HCP molecule with experimental values. <i>Journal of Chemical Physics</i> , 1993, 99, 8870-8876.	1.2	11
106	Nanoscale Core–Shell Hyperbolic Structures for Ultralow Threshold Laser Action: An Efficient Platform for the Enhancement of Optical Manipulation. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 1163-1173.	4.0	11
107	Studies on the multiphoton ionization spectrum of the jet-cooled acetyl radical at $6.2\text{--}7.6$ eV. <i>Chemical Physics</i> , 2001, 274, 275-281.	0.9	9
108	High unsaturated room-temperature magnetoresistance in phase-engineered $\text{Mo}_x\text{W}_y\text{Te}_2$ ultrathin films. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10996-11004.	2.7	9

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109	Laser Assisted Catalytic Growth of ZnS/CdSe Core-Shell and Wire-Coil Nanowire Heterostructures. <i>Journal of the Chinese Chemical Society</i> , 2005, 52, 725-732.	0.8	7
110	Observation of vibronically excited thioformaldehyde at $62,000\text{--}72,000\text{cm}^{-1}$ by $1+1\text{--}1\text{--}1$ resonance enhanced multiphoton ionization spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008, 69, 27-32.	2.0	7
111	Isolation and Identification of Post-Transcriptional Gene Silencing-Related Micro-RNAs by Functionalized Silicon Nanowire Field-effect Transistor. <i>Scientific Reports</i> , 2015, 5, 17375.	1.6	7
112	Hepatocellular Carcinoma Diagnosis by Detecting $\alpha$ -Fucosidase with a Silicon Nanowire Field-Effect Transistor Biosensor. <i>ECS Journal of Solid State Science and Technology</i> , 2018, 7, Q3153-Q3158.	0.9	7
113	The Extracellular $\text{Zn}^{2+}$ Concentration Surrounding Excited Neurons Is High Enough to Bind Amyloid $\beta$ Revealed by a Nanowire Transistor. <i>Small</i> , 2018, 14, e1704439.	5.2	7
114	Spatial Confinement Approach Using Ni to Modulate Local Carbon Supply for the Growth of Uniform Transfer-Free Graphene Monolayers. <i>Journal of Physical Chemistry C</i> , 2020, 124, 23094-23105.	1.5	7
115	Ionization and Emission Spectra of the Photofragments of Allene Excited at 193 nm. <i>Journal of Physical Chemistry A</i> , 1999, 103, 6063-6073.	1.1	4
116	High-lying Rydberg states of vinyl bromide studied by two-photon resonant ionization spectroscopy. <i>Chemical Physics Letters</i> , 2004, 394, 287-292.	1.2	4
117	Laser-Induced Fluorescence Excitation Spectroscopy of Highly Vibrationally Excited $\text{F}_2\text{A1 NH}_2$ Radical. <i>Journal of Molecular Spectroscopy</i> , 1995, 169, 427-439.	0.4	3
118	Transient degenerate four-wave mixing in molecular systems. <i>Optical and Quantum Electronics</i> , 1996, 28, 1477-1493.	1.5	3
119	Near-Infrared Electroluminescent Light-Emitting Transistors Based on CVD-Synthesized Ambipolar $\text{ReSe}_2$ Nanosheets. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	3
120	Determination of velocity distribution, angular distribution, and vector correlation of photofragments using sub-Doppler fluorescence-imaging method. <i>Journal of Chemical Physics</i> , 2000, 113, 5716-5724.	1.2	2
121	Ultrafast Spectroscopy Studies on Thickness Dependence of Acoustic Phonon Modes in Silver Nanoprisms. <i>Journal of the Chinese Chemical Society</i> , 2008, 55, 23-28.	0.8	2
122	Detection of electrically neutral and nonpolar molecules in ionic solutions using silicon nanowires. <i>Nanotechnology</i> , 2017, 28, 165501.	1.3	2
123	The Study of HIV-1 Vpr-Membrane and Vpr-hVDAC-1 Interactions by Graphene Field-Effect Transistor Biosensors. <i>ACS Applied Bio Materials</i> , 2020, 3, 6351-6357.	2.3	2
124	Significant Elevation in Potassium Concentration Surrounding Stimulated Excitable Cells Revealed by an Aptamer-Modified Nanowire Transistor. <i>ACS Applied Bio Materials</i> , 2021, 4, 6865-6873.	2.3	2
125	Power dependence of transient degenerate four-wave mixing in molecular systems. <i>Physical Review A</i> , 1997, 55, 3086-3091.	1.0	1
126	Study of Photodissociation Dynamics Using Sub-Doppler Fluorescence Imaging Method: Photodissociation of ICN at 308 nm. <i>Journal of the Chinese Chemical Society</i> , 2001, 48, 619-624.	0.8	1



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127	Vibronic spectra of the allyl radical at 6â€“8 eV with resonance-enhanced multiphoton ionization technique. Science in China Series B: Chemistry, 2001, 44, 360-365.	0.8	1
128	Molecular Rydberg States and Ionization Energy Studied by Twoâ€“Photon Resonant Ionization Spectroscopy. Journal of the Chinese Chemical Society, 2002, 49, 703-722.	0.8	1
129	Optical Properties of Host(SBAâ€“15)â€“guest(AgI) Composite Materials. Journal of the Chinese Chemical Society, 2003, 50, 59-64.	0.8	1
130	Two-photon vibronic spectroscopy of allene at 7.0â€“10.5â€“eV: experiment and theory. Molecular Physics, 2005, 103, 229-248.	0.8	1
131	Device Architecture and Biosensing Applications for Attractive One- and Two-Dimensional Nanostructures. , 2015, , 41-70.		1
132	Power Laser Light-Induced Photoluminescence from Detonation-Synthesized 5nm-Sized Diamonds. Defect and Diffusion Forum, 2000, 186-187, 37-44.	0.4	0
133	A New Sub-Doppler Fluorescence Imaging Method in Studying Laser Ablation of B Atoms at 248 nm. Journal of Physical Chemistry B, 2001, 105, 5079-5082.	1.2	0
134	Applications and Advances of Resonance-Enhanced Multiphoton Ionization Spectroscopy. ChemInform, 2003, 34, no.	0.1	0
135	Structural, optical and luminescence studies of ZnSe nanowires. International Journal of Materials Research, 2011, 102, 1503-1506.	0.1	0
136	(Invited) Nanowire Field-Effect Transistor-Based Biosensors as a Tool for Life Science. ECS Transactions, 2014, 64, 23-32.	0.3	0
137	Zn <sup>2+</sup> -Depletion Enhances Lysosome Fission in Cultured Rat Embryonic Cortical Neurons Revealed by a Modified Epifluorescence Microscopic Technique. Microscopy and Microanalysis, 2021, 27, 420-424.	0.2	0
138	Nanowire Field-effect Transistors and Their Applications to Cardiology. , 2011, , 45-57.		0
139	Nanoscale Core-Shell Hyperbolic Structure: A New Paradigm to Boost the Light-Matter Interaction. , 2019, , .		0
140	Tailoring of Effective Refractive Indices: A New Paradigm towards Ultralow Excitation Power of Upconversion Nanoparticles. , 2020, , .		0