

# Tai-Huei Wei

## List of Publications by Year in descending order

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44  
papers

366  
citations

687363

13  
h-index

794594

19  
g-index

45  
all docs

45  
docs citations

45  
times ranked

329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Signs of nonlinear refraction in chloroaluminum phthalocyanine solution. Applied Physics Letters, 1998, 72, 2505-2507.	3.3	48
2	Studies of nonlinear absorption and refraction in C60/toluene solution. Chemical Physics Letters, 2000, 318, 53-57.	2.6	45
3	Mechanism of reverse saturable absorption in chloro-aluminum phthalocyanine solution studied with Z-scan. Chemical Physics Letters, 1999, 314, 403-410.	2.6	42
4	Energy level control: toward an efficient hot electron transport. Scientific Reports, 2014, 4, 5983.	3.3	32
5	Electronic energy dissipation in chloro-aluminum phthalocyanine/methanol system following nonlinear interaction with a train of picosecond pulses. Journal of Chemical Physics, 2002, 116, 2536-2541.	3.0	26
6	The transient optical Kerr effect of simple liquids studied with an ultrashort laser with variable pulsewidth. IEEE Journal of Selected Topics in Quantum Electronics, 1996, 2, 756-768.	2.9	21
7	Photophysical Properties of (O <sub>2</sub> (1 <sup>1</sup> g)) <sub>2</sub> and O <sub>2</sub> (1) in Solution Phase. Journal of Physical Chemistry A, 1997, 101, 8581-8586.	2.5	19
8	A study of photophysics using the Z-scan technique: lifetime determination for high-lying excited states. Optical and Quantum Electronics, 1996, 28, 1495-1508.	3.3	15
9	Mass transport following impulsive optical excitation. Journal of Chemical Physics, 2004, 120, 8031-8038.	3.0	15
10	Ultrafast motion of liquids C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub> studied with a femtosecond laser. Optics Communications, 2006, 266, 669-675.	2.1	15
11	Sum Frequency Vibrational Spectroscopy of the Liquid-Air Interface of Aqueous Solutions of Ethanol in the OH Region. Journal of the Chinese Chemical Society, 2001, 48, 625-629.	1.4	14
12	Nonlinear optical properties of lutetium bisphthalocyanine and its application for an optical switch. Journal of Porphyrins and Phthalocyanines, 2004, 08, 984-988.	0.8	14
13	The ultrafast dynamics of liquid CBrCl <sub>3</sub> studied with optical Kerr effect and Raman scattering. Molecular Physics, 1999, 96, 389-396.	1.7	13
14	Intensive two-photon absorption induced decay pathway in a ZnO crystal: Impact of light-induced defect state. Applied Physics Letters, 2013, 103, .	3.3	9
15	Characterization of nonlinear absorption of InN epitaxial films with femtosecond pulsed transmission Z-scan measurements. Journal of Applied Physics, 2009, 105, 066101.	2.5	7
16	Thermal lensing effect of CS <sub>2</sub> studied with femtosecond laser pulses. Physical Chemistry Chemical Physics, 2015, 17, 24738-24747.	2.8	6
17	The ultrafast dynamics of liquid CBrCl <sub>3</sub> studied with optical Kerr effect and Raman scattering. Molecular Physics, 1999, 96, 389-396.	1.7	4
18	Study of transient thermal lensing effect in C60-toluene solution. Chemical Physics Letters, 2010, 484, 225-230.	2.6	3

#	ARTICLE	IF	CITATIONS
19	Thermal diffusion and convection induced in chloroaluminum phthalocyanine ethanol by a CW He-Ne laser. Chemical Physics Letters, 2013, 558, 93-99.	2.6	3
20	Ultrashort-laser-pulse-induced thermal lensing effect in pure H <sub>2</sub> O and a NaCl-H <sub>2</sub> O solution. RSC Advances, 2016, 6, 114727-114737.	3.6	3
21	Thermal analysis of multilayer dielectric grating with high power laser irradiation. AIP Advances, 2020, 10, 055207.	1.3	3
22	Vibrational quantum interference in Raman-induced Kerr effect: momentum conservation. Molecular Physics, 2004, 102, 1919-1931.	1.7	2
23	Short pulse-induced solute migration in an organic solution at two temperatures. Chemical Physics Letters, 2009, 483, 62-66.	2.6	2
24	Picosecond nonlinear refraction of C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub> at 532nm studied with Z-scan technique. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850015.	1.8	2
25	Study of negative lensing effect in transparent molecular liquids with femtosecond laser pulses. , 2009, , .		1
26	Study of femtosecond laser pulse induced thermal lensing effect in CS <sub>2</sub> . , 2015, , .		1
27	Mechanism of short-pulse-induced solute migration in comparison to continuous-light-driven thermal diffusion. RSC Advances, 2016, 6, 20671-20680.	3.6	1
28	Vibrational sum frequency generation of aqueous solutions of alcohol. , 0, , .		0
29	Coherent transient optical Kerr effect in liquids C <sub>2</sub> H <sub>4</sub> /Cl <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> /Br <sub>2</sub> . , 0, , .		0
30	Momentum conservation in coherent transient optical Kerr effect. , 0, , .		0
31	Nanosecond nonlinear absorption and refraction C <sub>60</sub> /toluene solution. , 0, , .		0
32	Collective migration of solute caused by excited state absorptions. , 2007, , .		0
33	Negative nonlinear refraction of simple molecular liquids studied with a femtosecond laser pulse. , 2007, , .		0
34	Study of Negative Lensing Effect in Transparent Molecular Liquids by Femtosecond Laser Pulses. , 2008, , .		0
35	Short-pulse-induced solute migration in an organic solution at two temperatures. , 2009, , .		0
36	Nonlinear absorption of InN epitaxial films probed by femtosecond pulsed transmission Z-scan measurements. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
37	Thermal lensing effect of methanol studied with femtosecond laser pulses. , 2009, , .		0
38	Raman excitation induced thermal lensing effect in transparent molecular liquids. , 2011, , .		0
39	Study of Soret effect and convection in an organic solution. , 2011, , .		0
40	Study of picosecond nonlinear refraction in C <sub>2</sub> H <sub>4</sub> Cl <sub>2</sub> and C <sub>2</sub> H <sub>4</sub> Br <sub>2</sub> with Z-scan technique. , 2013, , .		0
41	Highly sensitive fiber-optic particle plasmon resonance refractive index sensor based on spatial light modulation technology. , 2013, , .		0
42	Impedance of a short pulse-induced solute migration by a temperature gradient applied along the light propagation direction. , 2013, , .		0
43	Short-pulse-induced solute migration in the C <sub>4</sub> H <sub>9</sub> ClO <sub>6</sub> + 1,2 dichloroethane solution. Journal of Chemical Physics, 2018, 149, 044304.	3.0	0
44	Short-pulse-induced thermal lensing effect in 1,2-dichloroethane and 1,2-dibromoethane. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 1738.	2.1	0