

Tai-Huei Wei

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3309799/publications.pdf>

Version: 2024-02-01

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	Thermal analysis of multilayer dielectric grating with high power laser irradiation. AIP Advances, 2020, 10, 055207.	1.3	3
2	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
3	Short-pulse-induced solute migration in the C ₄₉ H ₄₃ ClO ₆ + 1,2 dichloroethane solution. Journal of Chemical Physics, 2018, 149, 044304.	3.0	0
4	Picosecond nonlinear refraction of C ₂ H ₄ Cl ₂ and C ₂ H ₄ Br ₂ at 532nm studied with Z-scan technique. Journal of Nonlinear Optical Physics and Materials, 2018, 27, 1850015.	1.8	2
5	Ultrashort-laser-pulse-induced thermal lensing effect in pure H ₂ O and a NaCl/H ₂ O solution. RSC Advances, 2016, 6, 114727-114737.	3.6	3
6	Mechanism of short-pulse-induced solute migration in comparison to continuous-light-driven thermal diffusion. RSC Advances, 2016, 6, 20671-20680.	3.6	1
7	Study of femtosecond laser pulse induced thermal lensing effect in CS ₂ . , 2015, , .		1
8	Thermal lensing effect of CS ₂ studied with femtosecond laser pulses. Physical Chemistry Chemical Physics, 2015, 17, 24738-24747.	2.8	6
9	Energy level control: toward an efficient hot electron transport. Scientific Reports, 2014, 4, 5983.	3.3	32
10	Study of picosecond nonlinear refraction in C ₂ H ₄ Cl ₂ and C ₂ H ₄ Br ₂ with Z-scan technique. , 2013, , .		0
11	Highly sensitive fiber-optic particle plasmon resonance refractive index sensor based on spatial light modulation technology. , 2013, , .		0
12	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
13	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
14	Impedance of a short pulse-induced solute migration by a temperature gradient applied along the light propagation direction. , 2013, , .		0
15	Raman excitation induced thermal lensing effect in transparent molecular liquids. , 2011, , .		0
16	Study of Soret effect and convection in an organic solution. , 2011, , .		0
17	Study of transient thermal lensing effect in C ₆₀ -toluene solution. Chemical Physics Letters, 2010, 484, 225-230.	2.6	3
18	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

#	ARTICLE	IF	CITATIONS
19	Study of negative lensing effect in transparent molecular liquids with femtosecond laser pulses. , 2009, , .		1
20	Short pulse-induced solute migration in an organic solution at two temperatures. Chemical Physics Letters, 2009, 483, 62-66.	2.6	2
21	Short-pulse-induced solute migration in an organic solution at two temperatures. , 2009, , .		0
22	Nonlinear absorption of InN epitaxial films probed by femtosecond pulsed transmission Z-scan measurements. , 2009, , .		0
23	Thermal lensing effect of methanol studied with femtosecond laser pulses. , 2009, , .		0
24	Study of Negative Lensing Effect in Transparent Molecular Liquids by Femtosecond Laser Pulses. , 2008, , .		0
25	Collective migration of solute caused by excited state absorptions. , 2007, , .		0
26	Negative nonlinear refraction of simple molecular liquids studied with a femtosecond laser pulse. , 2007, , .		0
27	Ultrafast motion of liquids C ₂ H ₄ Cl ₂ and C ₂ H ₄ Br ₂ studied with a femtosecond laser. Optics Communications, 2006, 266, 669-675.	2.1	15
28	Vibrational quantum interference in Raman-induced Kerr effect: momentum conservation. Molecular Physics, 2004, 102, 1919-1931.	1.7	2
29	Mass transport following impulsive optical excitation. Journal of Chemical Physics, 2004, 120, 8031-8038.	3.0	15
30	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
31	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
32	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
33	Studies of nonlinear absorption and refraction in C ₆₀ /toluene solution. Chemical Physics Letters, 2000, 318, 53-57.	2.6	45
34	Mechanism of reverse saturable absorption in chloro-aluminum phthalocyanine solution studied with Z-scan. Chemical Physics Letters, 1999, 314, 403-410.	2.6	42
35	The ultrafast dynamics of liquid CBrCl ₃ studied with optical Kerr effect and Raman scattering. Molecular Physics, 1999, 96, 389-396.	1.7	13
36	The ultrafast dynamics of liquid CBrCl ₃ studied with optical Kerr effect and Raman scattering. Molecular Physics, 1999, 96, 389-396.	1.7	4

#	ARTICLE	IF	CITATIONS
37	Signs of nonlinear refraction in chloroaluminum phthalocyanine solution. Applied Physics Letters, 1998, 72, 2505-2507.	3.3	48
38	Photophysical Properties of $O_2(1^1g)$ and $O_2(1)$ in Solution Phase. Journal of Physical Chemistry A, 1997, 101, 8581-8586.	2.5	19
39	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
40	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
41	Vibrational sum frequency generation of aqueous solutions of alcohol. , 0, , .		0
42	Coherent transient optical kerr effect in liquids $C_2H_4Cl_2$ and $C_2H_4Br_2$. , 0, , .		0
43	Momentum conservation in coherent transient optical kerr effect. , 0, , .		0
44	Nanosecond nonlinear absorption and refraction C_{60} toluene solution. , 0, , .		0