

Chia Chen Hsu

List of Publications by Year in descending order

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48
papers

767
citations

623734

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526287

27
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48
all docs

48
docs citations

48
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Subwavelength-resolution imaging of surface plasmon polaritons with up-conversion fluorescence microscopy. <i>Optics Express</i> , 2022, 30, 3113.	3.4	4
2	Gold nanorods conjugated upconversion nanoparticles nanocomposites for simultaneous bioimaging, local temperature sensing and photothermal therapy of OML-1 oral cancer cells. <i>International Journal of Smart and Nano Materials</i> , 2021, 12, 49-71.	4.2	16
3	All-Optical and Polarization-Independent Tunable Guided-Mode Resonance Filter Based on a Dye-Doped Liquid Crystal Incorporated With Photonic Crystal Nanostructure. <i>Journal of Lightwave Technology</i> , 2020, 38, 820-826.	4.6	1
4	Enhancing light extraction efficiency of organic light-emitting diodes by embedding tungsten trioxide islands or network structure pattern-transferred from a self-assembled deliquesce cesium chloride mask. <i>Organic Electronics</i> , 2018, 53, 160-164.	2.6	12
5	Microporous polymer films for enhancing light extraction of white-light organic light-emitting diodes. <i>Organic Electronics</i> , 2018, 59, 164-170.	2.6	9
6	Hollow Few-Layer Graphene-Based Structures from Parafilm Waste for Flexible Transparent Supercapacitors and Oil Spill Cleanup. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 40645-40654.	8.0	32
7	Fabrication of titania inverse opals by multi-cycle dip-infiltration for optical sensing. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2016, 19, 48-54.	2.0	12
8	Light extraction efficiency enhancement of organic light-emitting diodes fabricated on silica network substrate. , 2016, , .		0
9	Optical tuning of guided mode resonance in an azo-copolymer waveguide grating structure inscribed with a surface relief grating. <i>International Journal of Higher Education Management</i> , 2015, 1, 74-79.	1.3	3
10	Macroscopic, Freestanding, and Tubular Graphene Architectures Fabricated <i>via</i> Thermal Annealing. <i>ACS Nano</i> , 2015, 9, 3206-3214.	14.6	26
11	Giant Enhancement of Upconversion Fluorescence of NaYF ₄ :Yb ³⁺ , Tm ³⁺ Nanocrystals with Resonant Waveguide Grating Substrate. <i>ACS Photonics</i> , 2015, 2, 530-536.	6.6	58
12	Strong guided mode resonant local field enhanced visible harmonic generation in an azo-polymer resonant waveguide grating. <i>Optics Express</i> , 2014, 22, 2790.	3.4	16
13	Optical manipulation of guided mode resonance in azo-copolyme waveguide gratings. , 2014, , .		0
14	Enhancing light extraction efficiency of polymer light-emitting diodes with a 12-fold photonic quasi crystal. <i>Optics Express</i> , 2013, 21, 22090.	3.4	14
15	Guided-mode resonance enhanced excitation and extraction of two-photon photoluminescence in a resonant waveguide grating. <i>Optics Express</i> , 2013, 21, 24318.	3.4	15
16	Optical modulation of guided mode resonance in the waveguide grating structure incorporated with azo-doped-poly(methylmethacrylate) cladding layer. <i>Optics Express</i> , 2012, 20, 377.	3.4	19
17	Pumping-power-dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse Eu ³⁺ /SiO ₂ core/shell nanospheres. <i>Optics Express</i> , 2012, 20, 15418.	3.4	7
18	Doubly resonant surface-enhanced Raman scattering on gold nanorod decorated inverse opal photonic crystals. <i>Optics Express</i> , 2012, 20, 29266.	3.4	32

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19	Pumping intensity dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse $\text{Eu}^{3+}/\text{SiO}_2/\text{SiO}_2/\text{SiO}_2$ core/shell nanospheres. , 2012, , .		0
20	Guided-mode resonance enhanced second- and third-harmonic generation in an azo-polymer resonant waveguide grating. , 2012, , .		0
21	Fabrication and optical characterisation of SiO_2 opal and SU-8 inverse opal photonic crystals. Journal of Experimental Nanoscience, 2012, 7, 198-204.	2.4	16
22	Enhanced two-photon photoluminescence of light emitting polymers from a resonant waveguide grating structure. , 2012, , .		0
23	Fabrication of ellipticity-controlled microlens arrays by controlling the parameters of the multiple-exposure two-beam interference technique. Applied Optics, 2011, 50, 579.	2.1	9
24	Fabrication of three-dimensional polymer quadratic nonlinear grating structures by layer-by-layer direct laser writing technique. Applied Optics, 2011, 50, 4664.	2.1	3
25	Fabrication of desired three-dimensional structures by holographic assembly technique. Applied Physics A: Materials Science and Processing, 2010, 100, 171-175.	2.3	10
26	Fabrication of periodic nanovein structures by holography lithography technique. Optics Express, 2009, 17, 3362.	3.4	4
27	Hybrid surface-enhanced Raman scattering substrate from gold nanoparticle and photonic crystal: Maneuverability and uniformity of Raman spectra. Optics Express, 2009, 17, 21522.	3.4	28
28	Fabrication of microlens arrays based on the mass transport effect of SU-8 photoresist using a multiexposure two-beam interference technique. Applied Optics, 2009, 48, 2473.	2.1	5
29	Fabrication of spatial modulated second order nonlinear structures and quasi-phase matched second harmonic generation in a poled azo-copolymer planar waveguide. Optics Express, 2008, 16, 7832.	3.4	15
30	Fabrication of microlens array diffuser films with controllable haze distribution by combination of breath figures and replica molding methods. Optics Express, 2008, 16, 19978.	3.4	54
31	Rapidly Self-Assembling Three-Dimensional Opal Photonic Crystals. Journal of the Korean Physical Society, 2008, 52, 1585-1588.	0.7	14
32	Fabrication of highly rotational symmetric quasi-periodic structures by multiexposure of a three-beam interference technique. Applied Optics, 2007, 46, 5645.	2.1	13
33	Fabrication of Large Size Photonic Crystal Templates by Holographic Lithography Technique. , 2007, , .		1
34	Precisely introducing defects into periodic structures by using a double-step laser scanning technique. Applied Optics, 2006, 45, 5777.	2.1	15
35	Origin of photoinduced third harmonic generation anisotropy for quinoline derivatives molecules embedded into polymethylmethacrylate polymer matrix. Chemical Physics Letters, 2006, 418, 281-285.	2.6	3
36	Controlling aspect ratio of focal spots of high numerical aperture objective lens in multi-photon absorption process. Optics Communications, 2006, 258, 97-102.	2.1	9

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37	Optical control of recovery speed of photoinduced third-harmonic generation in azo-copolymer thin films. Applied Physics Letters, 2006, 88, 131111.	3.3	4
38	Rapid fabrication of two- and three-dimensional photonic crystals using multiple-exposure of two-beam interference pattern technique. , 2005, , .		0
39	Photoreactive third-harmonic generation via either one- or two-photon excitation in diarylethene-polymethylmethacrylate polymer thin films: theory and experiment. , 2005, , .		0
40	Rapid fabrication of large area photonic crystals containing arbitrary defects by combining the interference and multi-photon polymerization techniques. , 2005, , .		0
41	Photoreactive phase conjugation strength in disperse red 1 doped poly(methylmethacrylate) thin films. Journal of Applied Physics, 2005, 97, 013103.	2.5	8
42	Rapid fabrication of large-area periodic structures containing well-defined defects by combining holography and mask techniques. Optics Express, 2005, 13, 5331.	3.4	52
43	Fabrication of two- and three-dimensional periodic structures by multi-exposure of two-beam interference technique. Optics Express, 2005, 13, 9605.	3.4	186
44	Photoisomerization-induced change of nonlinear absorption in azo-dye doped polymethylmethacrylate thin films. Optics Communications, 2004, 236, 33-43.	2.1	7
45	Photoinduced nonlinear absorption and third harmonic generation variations in azo polymer thin films. , 2003, , .		0
46	One- and two-photon induced change of third order nonlinearity in phenylamine azo-dye polymer thin films. , 2002, , .		0
47	Optical control of third-harmonic generation in azo-doped polymethylmethacrylate thin films. Applied Physics Letters, 2000, 77, 2095-2097.	3.3	25
48	Real-time monitoring of all-optical poling of azo-dye polymer thin film. Optics Letters, 2000, 25, 960.	3.3	10