

Chia Chen Hsu

List of Publications by Year in descending order

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48
papers

767
citations

623734

14
h-index

526287

27
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48
all docs

48
docs citations

48
times ranked

815
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabrication of two- and three-dimensional periodic structures by multi-exposure of two-beam interference technique. <i>Optics Express</i> , 2005, 13, 9605.	3.4	186
2	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
3	Fabrication of microlens array diffuser films with controllable haze distribution by combination of breath figures and replica molding methods. <i>Optics Express</i> , 2008, 16, 19978.	3.4	54
4	Rapid fabrication of large-area periodic structures containing well-defined defects by combining holography and mask techniques. <i>Optics Express</i> , 2005, 13, 5331.	3.4	52
5	Doubly resonant surface-enhanced Raman scattering on gold nanorod decorated inverse opal photonic crystals. <i>Optics Express</i> , 2012, 20, 29266.	3.4	32
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	Hybrid surface-enhanced Raman scattering substrate from gold nanoparticle and photonic crystal: Maneuverability and uniformity of Raman spectra. <i>Optics Express</i> , 2009, 17, 21522.	3.4	28
8	Macroscopic, Freestanding, and Tubular Graphene Architectures Fabricated <i>via</i> Thermal Annealing. <i>ACS Nano</i> , 2015, 9, 3206-3214.	14.6	26
9	Optical control of third-harmonic generation in azo-doped polymethylmethacrylate thin films. <i>Applied Physics Letters</i> , 2000, 77, 2095-2097.	3.3	25
10	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
11	Fabrication and optical characterisation of SiO ₂ opal and SU-8 inverse opal photonic crystals. <i>Journal of Experimental Nanoscience</i> , 2012, 7, 198-204.	2.4	16
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	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
14	Precisely introducing defects into periodic structures by using a double-step laser scanning technique. <i>Applied Optics</i> , 2006, 45, 5777.	2.1	15
15	Fabrication of spatial modulated second order nonlinear structures and quasi-phase matched second harmonic generation in a poled azo-copolymer planar waveguide. <i>Optics Express</i> , 2008, 16, 7832.	3.4	15
16	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
17	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
18	Rapidly Self-Assembling Three-Dimensional Opal Photonic Crystals. <i>Journal of the Korean Physical Society</i> , 2008, 52, 1585-1588.	0.7	14

#	ARTICLE	IF	CITATIONS
19	Fabrication of highly rotational symmetric quasi-periodic structures by multiexposure of a three-beam interference technique. <i>Applied Optics</i> , 2007, 46, 5645.	2.1	13
20	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
21	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
22	Real-time monitoring of all-optical poling of azo-dye polymer thin film. <i>Optics Letters</i> , 2000, 25, 960.	3.3	10
23	Fabrication of desired three-dimensional structures by holographic assembly technique. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 171-175.	2.3	10
24	Controlling aspect ratio of focal spots of high numerical aperture objective lens in multi-photon absorption process. <i>Optics Communications</i> , 2006, 258, 97-102.	2.1	9
25	Fabrication of ellipticity-controlled microlens arrays by controlling the parameters of the multiple-exposure two-beam interference technique. <i>Applied Optics</i> , 2011, 50, 579.	2.1	9
26	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
27	Photoreactive phase conjugation strength in disperse red 1 doped poly(methylmethacrylate) thin films. <i>Journal of Applied Physics</i> , 2005, 97, 013103.	2.5	8
28	Photoisomerization-induced change of nonlinear absorption in azo-dye doped polymethylmethacrylate thin films. <i>Optics Communications</i> , 2004, 236, 33-43.	2.1	7
29	Pumping-power-dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse $\text{Eu}^{3+}/\text{SiO}_2$ core/shell nanospheres. <i>Optics Express</i> , 2012, 20, 15418.	3.4	7
30	Fabrication of microlens arrays based on the mass transport effect of SU-8 photoresist using a multiexposure two-beam interference technique. <i>Applied Optics</i> , 2009, 48, 2473.	2.1	5
31	Optical control of recovery speed of photoinduced third-harmonic generation in azo-copolymer thin films. <i>Applied Physics Letters</i> , 2006, 88, 131111.	3.3	4
32	Fabrication of periodic nanovein structures by holography lithography technique. <i>Optics Express</i> , 2009, 17, 3362.	3.4	4
33	Subwavelength-resolution imaging of surface plasmon polaritons with up-conversion fluorescence microscopy. <i>Optics Express</i> , 2022, 30, 3113.	3.4	4
34	Origin of photoinduced third harmonic generation anisotropy for quinoline derivatives molecules embedded into polymethylmethacrylate polymer matrix. <i>Chemical Physics Letters</i> , 2006, 418, 281-285.	2.6	3
35	Fabrication of three-dimensional polymer quadratic nonlinear grating structures by layer-by-layer direct laser writing technique. <i>Applied Optics</i> , 2011, 50, 4664.	2.1	3
36	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

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37	Fabrication of Large Size Photonic Crystal Templates by Holographic Lithography Technique. , 2007, , .		1
38	All-Optical and Polarization-Independent Tunable Guided-Mode Resonance Filter Based on a Dye-Doped Liquid Crystal Incorporated With Photonic Crystal Nanostructure. Journal of Lightwave Technology, 2020, 38, 820-826.	4.6	1
39	Rapid fabrication of two- and three-dimensional photonic crystals using multiple-exposure of two-beam interference pattern technique. , 2005, , .		0
40	Photoreactive third-harmonic generation via either one- or two-photon excitation in diarylethene-polymethylmethacrylate polymer thin films: theory and experiment. , 2005, , .		0
41	Rapid fabrication of large area photonic crystals containing arbitrary defects by combining the interference and multi-photon polymerization techniques. , 2005, , .		0
42	Pumping intensity dependent photoluminescence angular distribution from an opal photonic crystal composed of monodisperse $\text{Eu}^{3+}/\text{SiO}_2/\text{SiO}_2/\text{SiO}_2/\text{SiO}_2$ core/shell nanospheres. , 2012, , .		0
43	Guided-mode resonance enhanced second- and third-harmonic generation in an azo-polymer resonant waveguide grating. , 2012, , .		0
44	Optical manipulation of guided mode resonance in azo-copolyme waveguide gratings. , 2014, , .		0
45	One- and two-photon induced change of third order nonlinearity in phenylamine azo-dye polymer thin films. , 2002, , .		0
46	Photoinduced nonlinear absorption and third harmonic generation variations in azo polymer thin films. , 2003, , .		0
47	Enhanced two-photon photoluminescence of light emitting polymers from a resonant waveguide grating structure. , 2012, , .		0
48	Light extraction efficiency enhancement of organic light-emitting diodes fabricated on silica network substrate. , 2016, , .		0