

Vincent Chen

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

940
citations

840776

11
h-index

940533

16
g-index

23
all docs

23
docs citations

23
times ranked

1647
citing authors

#	ARTICLE	IF	CITATIONS
1	65 nm feature sizes using visible wavelength 3-D multiphoton lithography. Optics Express, 2007, 15, 3426.	3.4	292
2	Highly Efficient Multiphoton-Absorption-Induced Luminescence from Gold Nanoparticles. Nano Letters, 2005, 5, 1139-1142.	9.1	269
3	Electrodeposition of Three-Dimensional Titania Photonic Crystals from Holographically Patterned Microporous Polymer Templates. Chemistry of Materials, 2008, 20, 1816-1823.	6.7	71
4	Enhanced visible light photocatalytic water reduction from a g-C ₃ N ₄ /SrTa ₂ O ₆ heterojunction. Applied Catalysis B: Environmental, 2017, 217, 448-458.	20.2	58
5	Adaptive elastic metastructures from magneto-active elastomers. Smart Materials and Structures, 2020, 29, 065004.	3.5	51
6	A Visible-Light-Active Heterojunction with Enhanced Photocatalytic Hydrogen Generation. ChemSusChem, 2016, 9, 1869-1879.	6.8	42
7	Biologically Enabled Syntheses of Freestanding Metallic Structures Possessing Subwavelength Pore Arrays for Extraordinary (Surface Plasmon-Mediated) Infrared Transmission. Advanced Functional Materials, 2012, 22, 2550-2559.	14.9	38
8	Bilayer Structure with Ultrahigh Energy/Power Density Using Hybrid Sol-Gel Dielectric and Charge-Blocking Monolayer. Advanced Energy Materials, 2015, 5, 1500767.	19.5	33
9	Three-dimensional organic microlasers with low lasing thresholds fabricated by multiphoton and UV lithography. Optics Express, 2014, 22, 12316.	3.4	22
10	Adhesion Enhancements and Surface-Enhanced Raman Scattering Activity of Ag and Ag@SiO ₂ Nanoparticle Decorated Ragweed Pollen Microparticle Sensor. ACS Applied Materials & Interfaces, 2017, 9, 24804-24811.	8.0	20
11	A reconfigurable magnetorheological elastomer acoustic metamaterial. Applied Physics Letters, 2020, 117, .	3.3	16
12	Nonlinear optical components for all-optical probabilistic graphical model. Nature Communications, 2018, 9, 2128.	12.8	10
13	Uncovering low frequency band gaps in electrically resonant metamaterials through tuned dissipation and negative impedance conversion. Smart Materials and Structures, 2022, 31, 015002.	3.5	9
14	Coiled Phononic Crystal with Periodic Rotational Locking: Subwavelength Bragg Band Gaps. Physical Review Applied, 2022, 18, .	3.8	6
15	TWO-PHOTON ABSORPTION: CONCEPTS, MOLECULAR MATERIALS AND APPLICATIONS. Materials and Energy, 2016, , 397-442.	0.1	2
16	Energy Storage: Bilayer Structure with Ultrahigh Energy/Power Density Using Hybrid Sol-Gel Dielectric and Charge-Blocking Monolayer (Adv. Energy Mater. 19/2015). Advanced Energy Materials, 2015, 5, .	19.5	1
17	Two-photon 3D microfabrication with polymer, metal nanocomposite and hybrid materials. , 2006, , .		0
18	Advances in Two-Photon 3D Microfabrication. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
19	Fabrication of Photonic Crystals with Sub-100 nm Features using Multiphoton Lithography with Pre-swollen Resins. , 2010, , .		0
20	Gold Nanostructures: Biologically-Enabled Syntheses of Freestanding Metallic Structures Possessing Subwavelength Pore Arrays for Extraordinary (Surface Plasmon-Mediated) Infrared Transmission (Adv. Funct. Mater. 12/2012). Advanced Functional Materials, 2012, 22, 2655-2655.	14.9	0
21	Fast and efficient analysis and design of three-dimensional photonic crystal structures for functional dispersive devices. , 2008, , .		0
22	Fabrication of tailored photonic crystals using multiphoton lithography. , 2008, , .		0
23	Conformal Coating of Tailored Photonic Crystals Fabricated Using Multiphoton Lithography. , 2009, , .		0