

Vincent Chen

List of Publications by Year in descending order

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23
papers

940
citations

840776

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940533

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docs citations

23
times ranked

1647
citing authors

#	ARTICLE	IF	CITATIONS
1	Uncovering low frequency band gaps in electrically resonant metamaterials through tuned dissipation and negative impedance conversion. <i>Smart Materials and Structures</i> , 2022, 31, 015002.	3.5	9
2	Coiled Phononic Crystal with Periodic Rotational Locking: Subwavelength Bragg Band Gaps. <i>Physical Review Applied</i> , 2022, 18, .	3.8	6
3	A reconfigurable magnetorheological elastomer acoustic metamaterial. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	16
4	Adaptive elastic metastructures from magneto-active elastomers. <i>Smart Materials and Structures</i> , 2020, 29, 065004.	3.5	51
5	Nonlinear optical components for all-optical probabilistic graphical model. <i>Nature Communications</i> , 2018, 9, 2128.	12.8	10
6	Adhesion Enhancements and Surface-Enhanced Raman Scattering Activity of Ag and Ag@SiO ₂ Nanoparticle Decorated Ragweed Pollen Microparticle Sensor. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24804-24811.	8.0	20
7	Enhanced visible light photocatalytic water reduction from a g-C ₃ N ₄ /SrTa ₂ O ₆ heterojunction. <i>Applied Catalysis B: Environmental</i> , 2017, 217, 448-458.	20.2	58
8	A Visible-Light-Active Heterojunction with Enhanced Photocatalytic Hydrogen Generation. <i>ChemSusChem</i> , 2016, 9, 1869-1879.	6.8	42
9	TWO-PHOTON ABSORPTION: CONCEPTS, MOLECULAR MATERIALS AND APPLICATIONS. <i>Materials and Energy</i> , 2016, , 397-442.	0.1	2
10	Energy Storage: Bilayer Structure with Ultrahigh Energy/Power Density Using Hybrid Sol-Gel Dielectric and Charge-Blocking Monolayer (<i>Adv. Energy Mater.</i> 19/2015). <i>Advanced Energy Materials</i> , 2015, 5, .	19.5	1
11	Bilayer Structure with Ultrahigh Energy/Power Density Using Hybrid Sol-Gel Dielectric and Charge-Blocking Monolayer. <i>Advanced Energy Materials</i> , 2015, 5, 1500767.	19.5	33
12	Three-dimensional organic microlasers with low lasing thresholds fabricated by multiphoton and UV lithography. <i>Optics Express</i> , 2014, 22, 12316.	3.4	22
13	Biologically Enabled Syntheses of Freestanding Metallic Structures Possessing Subwavelength Pore Arrays for Extraordinary (Surface Plasmon-Mediated) Infrared Transmission. <i>Advanced Functional Materials</i> , 2012, 22, 2550-2559.	14.9	38
14	Gold Nanostructures: Biologically-Enabled Syntheses of Freestanding Metallic Structures Possessing Subwavelength Pore Arrays for Extraordinary (Surface Plasmon-Mediated) Infrared Transmission (<i>Adv. Funct. Mater.</i> 12/2012). <i>Advanced Functional Materials</i> , 2012, 22, 2655-2655.	14.9	0
15	Fabrication of Photonic Crystals with Sub-100 nm Features using Multiphoton Lithography with Pre-swollen Resins. , 2010, , .		0
16	Conformal Coating of Tailored Photonic Crystals Fabricated Using Multiphoton Lithography. , 2009, , .		0
17	Electrodeposition of Three-Dimensional Titania Photonic Crystals from Holographically Patterned Microporous Polymer Templates. <i>Chemistry of Materials</i> , 2008, 20, 1816-1823.	6.7	71
18	Fast and efficient analysis and design of three-dimensional photonic crystal structures for functional dispersive devices. , 2008, , .		0

#	ARTICLE	IF	CITATIONS
19	Fabrication of tailored photonic crystals using multiphoton lithography. , 2008, , .		0
20	Advances in Two-Photon 3D Microfabrication. , 2007, , .		0
21	65 nm feature sizes using visible wavelength 3-D multiphoton lithography. Optics Express, 2007, 15, 3426.	3.4	292
22	Two-photon 3D microfabrication with polymer, metal nanocomposite and hybrid materials. , 2006, , .		0
23	Highly Efficient Multiphoton-Absorption-Induced Luminescence from Gold Nanoparticles. Nano Letters, 2005, 5, 1139-1142.	9.1	269