

Shih-Hui Chang

List of Publications by Year in descending order

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31
papers

2,744
citations

623734

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docs citations

31
times ranked

3702
citing authors

#	ARTICLE	IF	CITATIONS
1	Localized Surface Plasmon Resonance Spectroscopy of Single Silver Nanocubes. <i>Nano Letters</i> , 2005, 5, 2034-2038.	9.1	1,307
2	Surface plasmon generation and light transmission by isolated nanoholes and arrays of nanoholes in thin metal films. <i>Optics Express</i> , 2005, 13, 3150.	3.4	466
3	Near-Field Photochemical Imaging of Noble Metal Nanostructures. <i>Nano Letters</i> , 2005, 5, 615-619.	9.1	210
4	Finite-difference time-domain model of lasing action in a four-level two-electron atomic system. <i>Optics Express</i> , 2004, 12, 3827.	3.4	152
5	Surface Plasmon Standing Waves in Large-Area Subwavelength Hole Arrays. <i>Nano Letters</i> , 2005, 5, 1963-1967.	9.1	100
6	Observation of Absorption-Dominated Bonding Dark Plasmon Mode from Metal-Insulator-Metal Nanodisk Arrays Fabricated by Nanospherical-Lens Lithography. <i>ACS Nano</i> , 2012, 6, 3390-3396.	14.6	97
7	Apertureless scanning near-field optical microscopy: a comparison between homodyne and heterodyne approaches. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2006, 23, 823.	2.1	80
8	Quantitative Evaluation of Plasmon Enhanced Raman Scattering from Nanoaperture Arrays. <i>Journal of Physical Chemistry C</i> , 2007, 111, 1689-1694.	3.1	79
9	Cavity formation and light propagation in partially ordered and completely random one-dimensional systems. <i>IEEE Journal of Quantum Electronics</i> , 2003, 39, 364-374.	1.9	36
10	Influence of surface plasmon resonance on the emission intermittency of photoluminescence from gold nano-sea-urchins. <i>Nanoscale</i> , 2010, 2, 2639.	5.6	35
11	Field and intensity correlations in amplifying random media. <i>Physical Review B</i> , 2005, 71, .	3.2	26
12	Surface plasmon resonance of gold nano-sea-urchin. <i>Applied Physics Letters</i> , 2007, 90, 181905.	3.3	21
13	Numerical study of light correlations in a random medium close to the Anderson localization threshold. <i>Optics Letters</i> , 2004, 29, 917.	3.3	18
14	Molecular Chirality Detection with Periodic Arrays of Three-Dimensional Twisted Metamaterials. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 1152-1157.	8.0	16
15	Plasmons: Chemical Bonding Coupling Induced Surface Plasmon Resonance Splitting in Self-Assembled Gold Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3923-3928.	3.1	15
16	Large-Scale Nanofabrication of Designed Nanostructures Using Angled Nanospherical-Lens Lithography for Surface Enhanced Infrared Absorption Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 24917-24925.	8.0	14
17	Mapping of transmission spectrum between plasmonic and nonplasmonic single slits I: resonant transmission. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 38.	2.1	13
18	Heterodyne apertureless near-field scanning optical microscopy on periodic gold nanowells. <i>Optics Express</i> , 2007, 15, 4098.	3.4	10

#	ARTICLE	IF	CITATIONS
19	Ellipsometric Advances for Local Surface Plasmon Resonance to Determine Chitosan Adsorption on Layer-By-Layer Gold Nanoparticles. Applied Spectroscopy, 2007, 61, 1007-1014.	2.2	9
20	Polarization-Selecting III-Nitride Elliptical Nanorod Light-Emitting Diodes Fabricated with Nanospherical-Lens Lithography. ACS Nano, 2018, 12, 8748-8757.	14.6	9
21	Surfactants-Aided Syntheses of Different Sizes and Triangular Shape of Gold Nanoparticles Using Trisodium Citrate in Environmentally Friendly and Photoinduced Methods. Journal of Nanoscience and Nanotechnology, 2007, 7, 3146-3151.	0.9	8
22	Enhanced Near-Field Imaging Contrasts of Silver Nanoparticles by Localized Surface Plasmon. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 1536-1539.	2.9	7
23	Large-Area Bowtie Nanoantenna Arrays Fabricated with Economic Oxygen Plasma-Assisted Nanosphere Lithography. Plasmonics, 2011, 6, 599-604.	3.4	7
24	Ellipsometric Studies of Optical Properties of Local Surface Plasmon Resonance for Au Nanoparticles on the Substrate. Journal of Nanoscience and Nanotechnology, 2009, 9, 1181-1184.	0.9	6
25	Applying the Optical Theorem in a Finite-Difference Time-Domain Simulation of Light Scattering. IEEE Transactions on Antennas and Propagation, 2010, 58, 3091-3094.	5.1	3
26	Four-level two-electron FDTD model of lasing action in a semiconductor. , 0, , .		0
27	FDTD/TDSE study on surface-enhanced infrared absorption by metal nanoparticles. , 2006, , .		0
28	Wave-like Energy Resonance Transfer of Plasmonic Absorption Gap in Plasmon-Sensitized Solar Cell, Plasmonic Solar Cells, and Plasmonic Photovoltaics. Journal of the Chinese Chemical Society, 2010, 57, 1191-1196.	1.4	0
29	Simulation of laser phenomenon of cholesteric liquid crystal using auxiliary differential equation finite-difference time-domain method. , 2012, , .		0
30	Near-Field Phase Patterns of Metallic Nanostructures by Oblique Incident Light. , 2007, , .		0
31	Artifacts in near-field scanning optical microscope spectroscopy and imaging of nanoparticles. , 2008, , .		0