

Shih-Hui Chang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26 papers	2,405 citations	14 h-index	31 g-index
31 ext. papers	2,613 ext. citations	5.5 avg, IF	4.45 L-index

#	Paper	IF	Citations
26	Localized surface plasmon resonance spectroscopy of single silver nanocubes. <i>Nano Letters</i> , 2005 , 5, 2034-8	11.5	1166
25	Surface plasmon generation and light transmission by isolated nanoholes and arrays of nanoholes in thin metal films. <i>Optics Express</i> , 2005 , 13, 3150-65	3.3	408
24	Near-field photochemical imaging of noble metal nanostructures. <i>Nano Letters</i> , 2005 , 5, 615-9	11.5	197
23	Finite-difference time-domain model of lasing action in a four-level two-electron atomic system. <i>Optics Express</i> , 2004 , 12, 3827-33	3.3	114
22	Surface plasmon standing waves in large-area subwavelength hole arrays. <i>Nano Letters</i> , 2005 , 5, 1963-7	11.5	91
21	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, 3390-6	16.7	84
20	Quantitative Evaluation of Plasmon Enhanced Raman Scattering from Nanoaperture Arrays. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 1689-1694	3.8	69
19	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	1.7	67
18	Influence of surface plasmon resonance on the emission intermittency of photoluminescence from gold nano-sea-urchins. <i>Nanoscale</i> , 2010 , 2, 2639-46	7.7	33
17	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	2	30
16	Surface plasmon resonance of gold nano-sea-urchin. <i>Applied Physics Letters</i> , 2007 , 90, 181905	3.4	20
15	Field and intensity correlations in amplifying random media. <i>Physical Review B</i> , 2005 , 71,	3.3	18
14	Numerical study of light correlations in a random medium close to the Anderson localization threshold. <i>Optics Letters</i> , 2004 , 29, 917-9	3	15
13	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	3.8	14
12	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	9.5	12
11	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	1.7	11
10	Polarization-Selecting III-Nitride Elliptical Nanorod Light-Emitting Diodes Fabricated with Nanospherical-Lens Lithography. <i>ACS Nano</i> , 2018 , 12, 8748-8757	16.7	8

9	Surfactants-aided syntheses of different sizes and triangular shape of gold nanoparticles using trisodium citrate in environmentally friendly and photoinduced methods. <i>Journal of Nanoscience and Nanotechnology</i> , 2007 , 7, 3146-51	1.3	8
8	Heterodyne apertureless near-field scanning optical microscopy on periodic gold nanowells. <i>Optics Express</i> , 2007 , 15, 4098-105	3.3	8
7	Ellipsometric advances for local surface plasmon resonance to determine chitosan adsorption on layer-by-layer gold nanoparticles. <i>Applied Spectroscopy</i> , 2007 , 61, 1007-14	3.1	8
6	Large-Area Bowtie Nanoantenna Arrays Fabricated with Economic Oxygen Plasma-Assisted Nanosphere Lithography. <i>Plasmonics</i> , 2011 , 6, 599-604	2.4	7
5	Enhanced Near-Field Imaging Contrasts of Silver Nanoparticles by Localized Surface Plasmon. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2008 , 14, 1536-1539	3.8	6
4	Ellipsometric studies of optical properties of local surface plasmon resonance for Au nanoparticles on the substrate. <i>Journal of Nanoscience and Nanotechnology</i> , 2009 , 9, 1181-4	1.3	5
3	Molecular Chirality Detection with Periodic Arrays of Three-Dimensional Twisted Metamaterials. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 1152-1157	9.5	4
2	Applying the Optical Theorem in a Finite-Difference Time-Domain Simulation of Light Scattering. <i>IEEE Transactions on Antennas and Propagation</i> , 2010 , 58, 3091-3094	4.9	2
1	Wave-Like Energy Resonance Transfer of Plasmonic Absorption Gap in Plasmon-Sensitized Solar Cell, Plasmonic Solar Cells, and Plasmonic Photovoltaics. <i>Journal of the Chinese Chemical Society</i> , 2010 , 57, 1191-1196	1.5	