

# Shih-Hui Chang

## List of Publications by Year in descending order

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31  
papers

2,744  
citations

623734

14  
h-index

580821

25  
g-index

31  
all docs

31  
docs citations

31  
times ranked

3702  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Chirality Detection with Periodic Arrays of Three-Dimensional Twisted Metamaterials. ACS Applied Materials & Interfaces, 2021, 13, 1152-1157.	8.0	16
2	Polarization-Selecting III-Nitride Elliptical Nanorod Light-Emitting Diodes Fabricated with Nanospherical-Lens Lithography. ACS Nano, 2018, 12, 8748-8757.	14.6	9
3	Large-Scale Nanofabrication of Designed Nanostructures Using Angled Nanospherical-Lens Lithography for Surface Enhanced Infrared Absorption Spectroscopy. ACS Applied Materials & Interfaces, 2017, 9, 24917-24925.	8.0	14
4	Mapping of transmission spectrum between plasmonic and nonplasmonic single slits I: resonant transmission. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 38.	2.1	13
5	Simulation of laser phenomenon of cholesteric liquid crystal using auxillary differential equation finite-difference time-domain method. , 2012, , .		0
6	Observation of Absorption-Dominated Bonding Dark Plasmon Mode from Metal-Insulator-Metal Nanodisk Arrays Fabricated by Nanospherical-Lens Lithography. ACS Nano, 2012, 6, 3390-3396.	14.6	97
7	Large-Area Bowtie Nanoantenna Arrays Fabricated with Economic Oxygen Plasma-Assisted Nanosphere Lithography. Plasmonics, 2011, 6, 599-604.	3.4	7
8	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
9	Influence of surface plasmon resonance on the emission intermittency of photoluminescence from gold nano-sea-urchins. Nanoscale, 2010, 2, 2639.	5.6	35
10	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
11	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
12	Plasmons: Chemical Bonding Coupling Induced Surface Plasmon Resonance Splitting in Self-Assembled Gold Nanoparticles. Journal of Physical Chemistry C, 2009, 113, 3923-3928.	3.1	15
13	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
14	Artifacts in near-field scanning optical microscope spectroscopy and imaging of nanoparticles. , 2008, , .		0
15	Surface plasmon resonance of gold nano-sea-urchin. Applied Physics Letters, 2007, 90, 181905.	3.3	21
16	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
17	Heterodyne apertureless near-field scanning optical microscopy on periodic gold nanowells. Optics Express, 2007, 15, 4098.	3.4	10
18	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

#	ARTICLE	IF	CITATIONS
19	Quantitative Evaluation of Plasmon Enhanced Raman Scattering from Nanoaperture Arrays. Journal of Physical Chemistry C, 2007, 111, 1689-1694.	3.1	79
20	Near-Field Phase Patterns of Metallic Nanostructures by Oblique Incident Light. , 2007, , .		0
21	Apertureless scanning near-field optical microscopy: a comparison between homodyne and heterodyne approaches. Journal of the Optical Society of America B: Optical Physics, 2006, 23, 823.	2.1	80
22	FDTD/TDSE study on surface-enhanced infrared absorption by metal nanoparticles. , 2006, , .		0
23	Surface Plasmon Standing Waves in Large-Area Subwavelength Hole Arrays. Nano Letters, 2005, 5, 1963-1967.	9.1	100
24	Localized Surface Plasmon Resonance Spectroscopy of Single Silver Nanocubes. Nano Letters, 2005, 5, 2034-2038.	9.1	1,307
25	Field and intensity correlations in amplifying random media. Physical Review B, 2005, 71, .	3.2	26
26	Near-Field Photochemical Imaging of Noble Metal Nanostructures. Nano Letters, 2005, 5, 615-619.	9.1	210
27	Surface plasmon generation and light transmission by isolated nanoholes and arrays of nanoholes in thin metal films. Optics Express, 2005, 13, 3150.	3.4	466
28	Finite-difference time-domain model of lasing action in a four-level two-electron atomic system. Optics Express, 2004, 12, 3827.	3.4	152
29	Numerical study of light correlations in a random medium close to the Anderson localization threshold. Optics Letters, 2004, 29, 917.	3.3	18
30	Cavity formation and light propagation in partially ordered and completely random one-dimensional systems. IEEE Journal of Quantum Electronics, 2003, 39, 364-374.	1.9	36
31	Four-level two-electron FDTD model of lasing action in a semiconductor. , 0, , .		0