Din Ping Tsai

List of Publications by Year in Descending Order

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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.

346 papers	17,555 citations	63 h-index	122 g-index
430 ext. papers	20,933 ext. citations	5.8 avg, IF	6.84 L-index

#	Paper	IF	Citations
346	Meta-lens light-sheet fluorescence microscopy for in vivo imaging. *Nanophotonics*, **2022**,	6.3	1
345	Metasurface-Based Abrupt Autofocusing Beam for Biomedical Applications.. *Small Methods*, **2022**, e2101228	12.8	0
344	Experimental Demonstration of Genetic Algorithm Based Metalens Design for Generating Side-Lobe-Suppressed, Large Depth-of-Focus Light Sheet. *Laser and Photonics Reviews*, **2022**, 16, 2100425	8.3	4
343	Vacuum ultraviolet nonlinear metalens.. *Science Advances*, **2022**, 8, eabn5644	14.3	2
342	Meta-Lens in the Sky. *IEEE Access*, **2022**, 10, 46552-46557	3.5	0
341	Ultra-compact snapshot spectral light-field imaging.. *Nature Communications*, **2022**, 13, 2732	17.4	5
340	Cubic-Phase Metasurface for Three-Dimensional Optical Manipulation. *Nanomaterials*, **2021**, 11,	5.4	1
339	Varifocal Metalens for Optical Sectioning Fluorescence Microscopy. *Nano Letters*, **2021**, 21, 5133-5142	11.5	19
338	Edge detection with meta-lens: from one dimension to three dimensions. *Nanophotonics*, **2021**,	6.3	8
337	Principles, Functions, and Applications of Optical Meta-Lens. *Advanced Optical Materials*, **2021**, 9, 2001841	8.1	39
336	Alternating Nanolayers of Dielectric MgF2 and Metallic Ag as Hyperbolic Metamaterials: Probing Surface States and Optical Topological Phase Transition and Implications for Sensing Applications. *ACS Applied Nano Materials*, **2021**, 4, 2211-2217	5.6	3
335	On-Chip Optical Detection of Viruses: A Review. *Advanced Photonics Research*, **2021**, 2, 2000150	1.9	8
334	Phase characterisation of metalenses. *Light: Science and Applications*, **2021**, 10, 52	16.7	11
333	Phase-change metasurface slows down light. *Light: Science and Applications*, **2021**, 10, 192	16.7	1
332	Reprogrammable meta-hologram for optical encryption. *Nature Communications*, **2020**, 11, 5484	17.4	60
331	Mechanically controllable nonlinear dielectrics. *Science Advances*, **2020**, 6, eaaz3180	14.3	12
330	Metalens-array-based high-dimensional and multiphoton quantum source. *Science*, **2020**, 368, 1487-1490	33.3	89

329	Dual-layer achromatic metalens design with an effective Abbe number. *Optics Express*, **2020**, 28, 26041-26055	3.5	14
328	Phase-controlled metasurface design via optimized genetic algorithm. *Nanophotonics*, **2020**, 9, 3931-3939	6.3	12
327	Exploring the electromagnetic information of metasurfaces. *National Science Review*, **2020**, 7, 1845-1846	10.8	3
326	Extraordinary Multipole Modes and Ultra-Enhanced Optical Lateral Force by Chirality. *Physical Review Letters*, **2020**, 125, 043901	7.4	15
325	Superoscillatory quartz lens with effective numerical aperture greater than one. *Applied Physics Letters*, **2020**, 117, 021106	3.4	5
324	Realization of Negative Permeability in Vertical Double Split-Ring Resonators with Normal Incidence. *ACS Photonics*, **2020**, 7, 3298-3304	6.3	2
323	Structured Semiconductor Interfaces: Active Functionality on Light Manipulation. *Proceedings of the IEEE*, **2020**, 108, 772-794	14.3	14
322	Chirality-assisted lateral momentum transfer for bidirectional enantioselective separation. *Light: Science and Applications*, **2020**, 9, 62	16.7	54
321	All-dielectric metasurface for high-performance structural color. *Nature Communications*, **2020**, 11, 1864	17.4	128
320	Achromatic metalens array for full-colour light-field imaging. *Nature Nanotechnology*, **2019**, 14, 227-231	28.7	219
319	Stress-Induced 3D Chiral Fractal Metasurface for Enhanced and Stabilized Broadband Near-Field Optical Chirality. *Advanced Optical Materials*, **2019**, 7, 1900617	8.1	28
318	Split Archimedean spiral metasurface for controllable GHz asymmetric transmission. *Applied Physics Letters*, **2019**, 114, 151105	3.4	18
317	Extraordinary optical fields in nanostructures: from sub-diffraction-limited optics to sensing and energy conversion. *Chemical Society Reviews*, **2019**, 48, 2458-2494	58.5	67
316	Photonic crystal fiber metalens. *Nanophotonics*, **2019**, 8, 443-449	6.3	45
315	Optical meta-devices: advances and applications. *Japanese Journal of Applied Physics*, **2019**, 58, SK0801	1.4	12
314	Oxide Heteroepitaxy-Based Flexible Ferroelectric Transistor. *ACS Applied Materials & Interfaces* , **2019**, 11, 25882-25890	9.5	22
313	Ultrasensitive and Selective Gas Sensor Based on a Channel Plasmonic Structure with an Enormous Hot Spot Region. *ACS Sensors*, **2019**, 4, 2900-2907	9.2	14
312	Generating Third Harmonic Vacuum Ultraviolet Light with a TiO Metasurface. *Nano Letters*, **2019**, 19, 8972-8978	11.5	32

311	Spectral tomographic imaging with aplanatic metalens. *Light: Science and Applications*, **2019**, 8, 99	16.7	53
310	Twisted Surface Plasmons with Spin-Controlled Gold Surfaces. *Advanced Optical Materials*, **2019**, 7, 1801660	8.0	25
309	Giant Efficiency of Visible Second-Harmonic Light by an All-Dielectric Multiple-Quantum-Well Metasurface. *Physical Review Applied*, **2019**, 12,	4.3	10
308	Second Harmonic Light Manipulation with Vertical Split Ring Resonators. *Advanced Materials*, **2019**, 31, e1806479	24	26
307	Sculpting nanoparticle dynamics for single-bacteria-level screening and direct binding-efficiency measurement. *Nature Communications*, **2018**, 9, 815	17.4	85
306	Integrated Resonant Unit of Metasurfaces for Broadband Efficiency and Phase Manipulation. *Advanced Optical Materials*, **2018**, 6, 1800031	8.1	41
305	Ultrathin Planar Cavity Metasurfaces. *Small*, **2018**, 14, e1703920	11	24
304	Deep-Ultraviolet Hyperbolic Metacavity Laser. *Advanced Materials*, **2018**, 30, e1706918	24	45
303	Near-Infrared-Activated Fluorescence Resonance Energy Transfer-Based Nanocomposite to Sense MMP2-Overexpressing Oral Cancer Cells. *ACS Omega*, **2018**, 3, 1627-1634	3.9	6
302	Optical Anapole Metamaterial. *ACS Nano*, **2018**, 12, 1920-1927	16.7	142
301	A broadband achromatic metalens in the visible. *Nature Nanotechnology*, **2018**, 13, 227-232	28.7	723
300	Metafluidic metamaterial: a review. *Advances in Physics: X*, **2018**, 3, 1417055	5.1	22
299	Giant enhancement of emission efficiency and light directivity by using hyperbolic metacavity on deep-ultraviolet AlGaN emitter. *Nano Energy*, **2018**, 45, 353-358	17.1	16
298	Single 808 nm Laser Treatment Comprising Photothermal and Photodynamic Therapies by Using Gold Nanorods Hybrid Upconversion Particles. *Journal of Physical Chemistry C*, **2018**, 122, 2402-2412	3.8	51
297	Nanometer-precision linear sorting with synchronized optofluidic dual barriers. *Science Advances*, **2018**, 4, eaao0773	14.3	114
296	Comparative Analysis of Metals and Alternative Infrared Plasmonic Materials. *ACS Photonics*, **2018**, 5, 2541-2548	6.3	38
295	Integrated-Resonant Units: Integrated Resonant Unit of Metasurfaces for Broadband Efficiency and Phase Manipulation (Advanced Optical Materials 12/2018). *Advanced Optical Materials*, **2018**, 6, 1870047	8.1	2
294	Advances in optical metasurfaces: fabrication and applications [Invited]. *Optics Express*, **2018**, 26, 13148-13182	3.3	139

293	Vacuum Ultraviolet Light-Generating Metasurface. *Nano Letters*, **2018**, 18, 5738-5743	11.5	52
292	Metalenses: Advances and Applications. *Advanced Optical Materials*, **2018**, 6, 1800554	8.1	82
291	Special Issue on Recent Developments and Applications of Plasmonics. *ACS Photonics*, **2018**, 5, 2538-2546	6.3	2
290	Transparent Antiradiative Ferroelectric Heterostructure Based on Flexible Oxide Heteroepitaxy. *ACS Applied Materials & Interfaces*, **2018**, 10, 30574-30580	9.5	19
289	Arbitrary and Independent Polarization Control In Situ via a Single Metasurface. *Advanced Optical Materials*, **2018**, 6, 1800728	8.1	36
288	Subwavelength interference of light on structured surfaces. *Advances in Optics and Photonics*, **2018**, 10, 757	16.7	60
287	Photonic crystal fiber metalens enabled by geometric phase optical metasurfaces **2018**,		2
286	Visible Metasurfaces for On-Chip Polarimetry. *ACS Photonics*, **2018**, 5, 2568-2573	6.3	72
285	Red/green/blue LD mixed white-light communication at 6500K with divergent diffuser optimization. *Optics Express*, **2018**, 26, 23397-23410	3.3	17
284	Pulse generation scheme for flying electromagnetic doughnuts. *Physical Review B*, **2018**, 97,	3.3	19
283	Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface. *Advanced Optical Materials*, **2017**, 5, 1600938	8.1	123
282	Material-assisted metamaterial: a new dimension to create functional metamaterial. *Scientific Reports*, **2017**, 7, 42076	4.9	4
281	Adaptable metasurface for dynamic anomalous reflection. *Applied Physics Letters*, **2017**, 110, 201904	3.4	29
280	Liquid-metal-based metasurface for terahertz absorption material: Frequency-agile and wide-angle. *APL Materials*, **2017**, 5, 066103	5.7	29
279	AgO x Thin Film for Surface-Enhanced Raman Spectroscopy **2017**, 203-210		
278	Microfluidic Metasurfaces: Broadband Wide-Angle Multifunctional Polarization Converter via Liquid-Metal-Based Metasurface (Advanced Optical Materials 7/2017). *Advanced Optical Materials*, **2017**, 5,	8.1	1
277	Fundamentals and Applications of Metasurfaces. *Small Methods*, **2017**, 1, 1600064	12.8	303
276	Coherent selection of invisible high-order electromagnetic excitations. *Scientific Reports*, **2017**, 7, 44488	4.9	18

275	Water-Resonator-Based Metasurface: An Ultrabroadband and Near-Unity Absorption. *Advanced Optical Materials*, **2017**, 5, 1601103	8.1	76
274	Versatile Polarization Generation with an Aluminum Plasmonic Metasurface. *Nano Letters*, **2017**, 17, 445-452	11.5	220
273	Transferring the bendable substrateless GaN LED grown on a thin C-rich SiC buffer layer to flexible dielectric and metallic plates. *Journal of Materials Chemistry C*, **2017**, 5, 607-617	7.1	25
272	Landau Damping and Limit to Field Confinement and Enhancement in Plasmonic Dimers. *ACS Photonics*, **2017**, 4, 2871-2880	6.3	54
271	GaN Metalens for Pixel-Level Full-Color Routing at Visible Light. *Nano Letters*, **2017**, 17, 6345-6352	11.5	197
270	Generation of convergent light beams by using surface plasmon locked Smith-Purcell radiation. *Scientific Reports*, **2017**, 7, 11096	4.9	9
269	Broadband achromatic optical metasurface devices. *Nature Communications*, **2017**, 8, 187	17.4	461
268	Temperature tunability of surface plasmon enhanced Smith-Purcell terahertz radiation for semiconductor-based grating. *Scientific Reports*, **2017**, 7, 6443	4.9	5
267	Plasmon-enhanced optical nonlinearity for femtosecond all-optical switching. *Applied Physics Letters*, **2017**, 111, 181102	3.4	12
266	Isotropic Absorption and Sensor of Vertical Split-Ring Resonator. *Advanced Optical Materials*, **2017**, 5, 1600581	8.1	55
265	Gate-Tunable Conducting Oxide Metasurfaces. *Nano Letters*, **2016**, 16, 5319-25	11.5	381
264	Toroidal circular dichroism. *Physical Review B*, **2016**, 94,	3.3	42
263	Coherent Excitation-Selective Spectroscopy of Multipole Resonances. *Physical Review Applied*, **2016**, 5,	4.3	37
262	Active dielectric metasurface based on phase-change medium (Laser Photonics Rev. 10(6)/2016). *Laser and Photonics Reviews*, **2016**, 10, 1063-1063	8.3	9
261	Self-Affine Graphene Metasurfaces for Tunable Broadband Absorption. *Physical Review Applied*, **2016**, 6,	4.3	64
260	Anomalous reflection from metasurfaces with gradient phase distribution below 2□*Applied Physics Express*, **2016**, 9, 072502	2.4	13
259	MMP2-sensing up-conversion nanoparticle for fluorescence biosensing in head and neck cancer cells. *Biosensors and Bioelectronics*, **2016**, 80, 131-139	11.8	33
258	Catalytically solid-phase self-organization of nanoporous SnS with optical depolarizability. *Nanoscale*, **2016**, 8, 4579-87	7.7	7

257	Introduction to the Feature Issue on nanophotonics. *Optics Express*, **2016**, 24, 20059-61	3.3	
256	Control of the Metal-Insulator Transition at Complex Oxide Heterointerfaces through Visible Light. *Advanced Materials*, **2016**, 28, 764-70	24	11
255	Quasi-coherent thermal radiation with multiple resonant plasmonic cavities. *Applied Physics Letters*, **2016**, 109, 261101	3.4	7
254	Tunable tapered waveguide for efficient compression of light to graphene surface plasmons. *Scientific Reports*, **2016**, 6, 28799	4.9	4
253	Dynamic metasurface for broadband electromagnetic modulator in reflection **2016**,		3
252	Visible light active photocatalyst from recycled disposable heating pads. *Journal of Nanophotonics*, **2016**, 10, 016016	1.1	
251	Integrated plasmonic metasurfaces for spectropolarimetry. *Nanotechnology*, **2016**, 27, 224002	3.4	89
250	Active dielectric metasurface based on phase-change medium. *Laser and Photonics Reviews*, **2016**, 10, 986-994	8.3	220
249	Plasmonic Archimedean spiral modes on concentric metal ring gratings. *Optics Express*, **2016**, 24, 15021-8	3.3	1
248	Lambertian thermal emitter based on plasmonic enhanced absorption. *Optics Express*, **2016**, 24, 18382-7	3.3	6
247	Plasmon coupling in vertical split-ring resonator metamolecules. *Scientific Reports*, **2015**, 5, 9726	4.9	53
246	Vertical split-ring resonator based anomalous beam steering with high extinction ratio. *Scientific Reports*, **2015**, 5, 11226	4.9	40
245	Aluminum plasmonic multicolor meta-hologram. *Nano Letters*, **2015**, 15, 3122-7	11.5	373
244	Optical toroidal response in three-dimensional plasmonic metamaterial **2015**,		3
243	Vertical split-ring resonators for plasmon coupling, sensing and metasurface **2015**,		1
242	Real-time vascular imaging and photodynamic therapy efficacy with micelle-nanocarrier delivery of chlorin e6 to the microenvironment of melanoma. *Journal of Dermatological Science*, **2015**, 80, 124-32	4.3	13
241	Plasmon-induced hyperthermia: hybrid upconversion NaYF:Yb/Er and gold nanomaterials for oral cancer photothermal therapy. *Journal of Materials Chemistry B*, **2015**, 3, 8293-8302	7.3	55
240	Classical Analog of Electromagnetically Induced Transparency in the Visible Range With Ultra-Compact Plasmonic Micro-Ring Resonators. *IEEE Journal of Selected Topics in Quantum Electronics*, **2015**, 21, 284-289	3.8	3

239	Ag-Si artificial microflowers for plasmon-enhanced solar water splitting. *Chemical Communications*, **2015**, 51, 549-52	5.8	30
238	Uniaxial-isotropic Metamaterials by Three-Dimensional Split-Ring Resonators. *Advanced Optical Materials*, **2015**, 3, 44-48	8.1	55
237	Ultrafast Thermal Nonlinearity. *Scientific Reports*, **2015**, 5, 17899	4.9	31
236	Metamaterials: Uniaxial-isotropic Metamaterials by Three-Dimensional Split-Ring Resonators (Advanced Optical Materials 1/2015). *Advanced Optical Materials*, **2015**, 3, 138-138	8.1	
235	Dissolution-and-reduction CVD synthesis of few-layer graphene on ultra-thin nickel film lifted off for mode-locking fiber lasers. *Scientific Reports*, **2015**, 5, 13689	4.9	17
234	Phase-preserved macroscopic visible-light carpet cloaking beyond two dimensions. *Laser and Photonics Reviews*, **2015**, 9, 399-404	8.3	3
233	A flat lens with tunable phase gradient by using random access reconfigurable metamaterial. *Advanced Materials*, **2015**, 27, 4739-43	24	92
232	Achieving planar plasmonic subwavelength resolution using alternately arranged insulator-metal and insulator-insulator-metal composite structures. *Scientific Reports*, **2015**, 5, 7996	4.9	7
231	Time-resolved phase-change recording mark formation with zinc oxide near-field optical active layer. *Japanese Journal of Applied Physics*, **2015**, 54, 09MG03	1.4	1
230	Magnetically controlled planar hyperbolic metamaterials for subwavelength resolution. *Scientific Reports*, **2015**, 5, 18172	4.9	12
229	High-efficiency broadband meta-hologram with polarization-controlled dual images. *Nano Letters*, **2014**, 14, 225-30	11.5	517
228	Ultrafast all-optical switching via coherent modulation of metamaterial absorption. *Applied Physics Letters*, **2014**, 104, 141102	3.4	113
227	Toward omnidirectional light absorption by plasmonic effect for high-efficiency flexible nonvacuum Cu(In,Ga)Se2 thin film solar cells. *ACS Nano*, **2014**, 8, 9341-8	16.7	29
226	Manipulation of spectral amplitude and phase with plasmonic nano-structures for information storage. *Frontiers of Optoelectronics*, **2014**, 7, 437-442	2.8	2
225	Actively controlled super-resolution using graphene-based structure. *Optics Express*, **2014**, 22, 28635-44	3.3	15
224	Effects of gain medium on the plasmonic enhancement of Forster resonance energy transfer in the vicinity of a metallic particle or cavity. *Optics Express*, **2014**, 22, 27451-61	3.3	9
223	Vertical split-ring resonator based nanoplasmonic sensor. *Applied Physics Letters*, **2014**, 105, 033105	3.4	64
222	Three-dimensional metamaterials: from split ring resonator to toroidal metamolecule **2014**,		5

221	Chitosan-Modified Stable Colloidal Gold Nanostars for the Photothermolysis of Cancer Cells. *Journal of Physical Chemistry C*, **2013**, 117, 2396-2410	3.8	33
220	Numerical Investagation of a Castle-like Contour Plasmonic Nanoantenna with Operating Wavelengths Ranging in Ultraviolet, Visible, Visible Light, and Infrared Light. *Plasmonics*, **2013**, 8, 755-761	2.4	11
219	Three-dimensional plasmonic micro projector for light manipulation. *Advanced Materials*, **2013**, 25, 1118-23	24	25
218	Resonant transparency and non-trivial non-radiating excitations in toroidal metamaterials. *Scientific Reports*, **2013**, 3, 2967	4.9	188
217	Hydrogen Generation: Plasmonic ZnO/Ag Embedded Structures as Collecting Layers for Photogenerating Electrons in Solar Hydrogen Generation Photoelectrodes (Small 17/2013). *Small*, **2013**, 9, 2830-2830	11	
216	Hydrogen-free PECVD growth of few-layer graphene on an ultra-thin nickel film at the threshold dissolution temperature. *Journal of Materials Chemistry C*, **2013**, 1, 3862	7.1	60
215	Plasmonic Infrared Bandstop Reflective Filter. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 4601005-4601005	3.8	7
214	Non-radiating excitations, vector potential waves and toroidal metamaterials **2013**,		1
213	Space-qualified optical thin films by ion-beam-assisted deposition. *Thin Solid Films*, **2013**, 529, 226-229	2.2	3
212	Near-Field Optical Imaging of a Porous Au Film: Influences of Topographic Artifacts and Surface Plasmons. *Plasmonics*, **2013**, 8, 377-383	2.4	1
211	Targeting polymeric fluorescent nanodiamond-gold/silver multi-functional nanoparticles as a light-transforming hyperthermia reagent for cancer cells. *Nanoscale*, **2013**, 5, 3931-40	7.7	46
210	Resonance Switchable Metamaterials Using MEMS Fabrications. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 4700306-4700306	3.8	17
209	Toroidal lasing spaser. *Scientific Reports*, **2013**, 3, 1237	4.9	99
208	Plasmonic ZnO/Ag embedded structures as collecting layers for photogenerating electrons in solar hydrogen generation photoelectrodes. *Small*, **2013**, 9, 2926-36	11	72
207	Plasmonic photocatalysis. *Reports on Progress in Physics*, **2013**, 76, 046401	14.4	942
206	Optical Hybrid-Superlens Hyperlens for Superresolution Imaging. *IEEE Journal of Selected Topics in Quantum Electronics*, **2013**, 19, 4601305-4601305	3.8	15
205	Near-infrared quantum cutting platform in thermally stable phosphate phosphors for solar cells. *Inorganic Chemistry*, **2013**, 52, 7352-7	5.1	39
204	Light absorption measurement of a plasmonic photocatalyst in the circular plane waveguide of a photocatalytic dual light source spinning disk reactor. *Optical Review*, **2013**, 20, 236-240	0.9	9

203	Optofluidic nanoparticles sorting by hydrodynamic optical force **2013**,		5
202	Molecular fluorescence in the vicinity of a charged metallic nanoparticle. *Optics Express*, **2013**, 21, 26483-92	3.3	18
201	Fabrication of three-dimensional plasmonic cavity by femtosecond laser-induced forward transfer. *Optics Express*, **2013**, 21, 618-25	3.3	19
200	Breaking optical diffraction limitation using optical Hybrid-Super-Hyperlens with radially polarized light. *Optics Express*, **2013**, 21, 14898-906	3.3	33
199	Multi-level surface enhanced Raman scattering using AgOx thin film. *Optics Express*, **2013**, 21, 24460-7	3.3	33
198	Spoof plasmon waveguide enabled ultrathin room temperature THz GaN quantum cascade laser: a feasibility study. *Optics Express*, **2013**, 21, 28054-61	3.3	17
197	Effects of extraneous surface charges on the enhanced Raman scattering from metallic nanoparticles. *Journal of Chemical Physics*, **2013**, 138, 224101	3.9	15
196	Highly efficient urchin-like bimetallic nanoparticles for photothermal cancer therapy. *SPIE Newsroom*, **2013**,		4
195	Fabricating graphite nano-sheet powder by slow electrochemical exfoliation of large-scale graphite foil as a mode-locker for fiber lasers. *Optical Materials Express*, **2013**, 3, 1893	2.6	28
194	ZnO nanorod optical disk photocatalytic reactor for photodegradation of methyl orange. *Optics Express*, **2013**, 21, 7240-9	3.3	32
193	Fluorescence characteristics of a molecule in the vicinity of a plasmonic nanomatryoska: Nonlocal optical effects. *Optics Communications*, **2012**, 285, 2207-2211	2	4
192	Improved Photocatalytic Activity of Shell-Isolated Plasmonic Photocatalyst [email´protected]2/TiO2 by Promoted LSPR. *Journal of Physical Chemistry C*, **2012**, 116, 26535-26542	3.8	87
191	High-efficiency broadband anomalous reflection by gradient meta-surfaces. *Nano Letters*, **2012**, 12, 6223-9	12.5	856
190	Fast fabrication of a Ag nanostructure substrate using the femtosecond laser for broad-band and tunable plasmonic enhancement. *ACS Nano*, **2012**, 6, 5190-7	16.7	58
189	Photocatalytic degradation of methyl orange by a multi-layer rotating disk reactor. *Environmental Science and Pollution Research*, **2012**, 19, 3743-50	5.1	16
188	Transformation optofluidics for large-angle light bending and tuning. *Lab on A Chip*, **2012**, 12, 3785-90	7.2	32
187	Microelectromechanical Maltese-cross metamaterial with tunable terahertz anisotropy. *Nature Communications*, **2012**, 3, 1274	17.4	167
186	Light Manipulation by Gold Nanobumps. *Plasmonics*, **2012**, 7, 563-569	2.4	9

185	Plasmon inducing effects for enhanced photoelectrochemical water splitting: X-ray absorption approach to electronic structures. *ACS Nano*, **2012**, 6, 7362-72	16.7	283
184	Characterization of Ge2Sb2Te5 thin film alloys using conductive-tip atomic force microscopy. *Physica Status Solidi (B): Basic Research*, **2012**, 249, 1945-1950	1.3	3
183	Sulfonation of graphene nanosheet-supported platinum via a simple thermal-treatment toward its oxygen reduction activity in acid medium. *International Journal of Hydrogen Energy*, **2012**, 37, 14205-14210	6.7	19
182	Near-field optical microscopy of plasmonic effects in anisotropic metamaterials. *Physica C: Superconductivity and Its Applications*, **2012**, 479, 183-185	1.3	1
181	Fabrication of plasmonic devices using femtosecond laser-induced forward transfer technique. *Nanotechnology*, **2012**, 23, 444013	3.4	12
180	Optofluidic waveguide as a transformation optics device for lightwave bending and manipulation. *Nature Communications*, **2012**, 3, 651	17.4	123
179	Seedless, silver-induced synthesis of star-shaped gold/silver bimetallic nanoparticles as high efficiency photothermal therapy reagent. *Journal of Materials Chemistry*, **2012**, 22, 2244-2253		171
178	Micromachined tunable metamaterials: a review. *Journal of Optics (United Kingdom)*, **2012**, 14, 114009	1.7	99
177	Fabrication of multilayer metamaterials by femtosecond laser-induced forward-transfer technique. *Laser and Photonics Reviews*, **2012**, 6, 702-707	8.3	40
176	Modified Long Wavelength Approximation for the Optical Response of a Graded-Index Plasmonic Nanoparticle. *Plasmonics*, **2012**, 7, 13-18	2.4	5
175	Temperature dependence of the surface-plasmon-induced Goos□Hänchen shifts. *Applied Physics B: Lasers and Optics*, **2012**, 107, 111-118	1.9	9
174	Magnetic plasmon induced transparency in three-dimensional metamolecules. *Nanophotonics*, **2012**, 1, 131-138	6.3	57
173	Equivalence between the mechanical model and energy-transfer theory for the classical decay rates of molecules near a spherical particle. *Journal of Chemical Physics*, **2012**, 136, 184106	3.9	3
172	Fabrication of three dimensional split ring resonators by stress-driven assembly method. *Optics Express*, **2012**, 20, 9415-20	3.3	45
171	Near-field scanning optical microscopy using a super-resolution cover glass slip. *Optics Express*, **2012**, 20, 16205	3.3	9
170	Sub-wavelength GaN-based membrane high contrast grating reflectors. *Optics Express*, **2012**, 20, 20551-7	3.3	27
169	Gain-assisted hybrid-superlens hyperlens for nano imaging. *Optics Express*, **2012**, 20, 22953-60	3.3	31
168	Design of plasmonic toroidal metamaterials at optical frequencies. *Optics Express*, **2012**, 20, 1760-8	3.3	137

167	Handedness-sensitive emission of surface plasmon polaritons by elliptical nanohole ensembles. *Optics Express*, **2012**, 20, 10538-44	3.3	8
166	Comparative analysis of photoluminescence and Raman enhancement by metal nanoparticles. *Optics Letters*, **2012**, 37, 1583-5	3	14
165	Effective medium approach to the dynamic optical response of a graded index plasmonic nanoparticle. *Journal of the Optical Society of America B: Optical Physics*, **2012**, 29, 970	1.7	2
164	Decay rates of a molecule in the vicinity of a spherical surface of an isotropic magnetodielectric material. *Physical Review B*, **2012**, 86,	3.3	2
163	Tunable plasmonic resonance arising from broken-symmetric silver nanobeads with dielectric cores. *Journal of Optics (United Kingdom)*, **2012**, 14, 114010	1.7	37
162	A THz dual mode switch using MEMS switchable metamaterial **2011**,		1
161	Local electrical characterization of laser-recorded phase-change marks on amorphous Ge2Sb2Te5 thin films. *Optics Express*, **2011**, 19, 9492-504	3.3	36
160	Fabrication of phase-change Ge2Sb2Te5 nano-rings. *Optics Express*, **2011**, 19, 12652-7	3.3	21
159	Optical magnetic response in three-dimensional metamaterial of upright plasmonic meta-molecules. *Optics Express*, **2011**, 19, 12837-42	3.3	77
158	Fabrication of phase-change chalcogenide Ge2Sb2Te5 patterns by laser-induced forward transfer. *Optics Express*, **2011**, 19, 16975-84	3.3	46
157	Multi-Bandgap-Sensitized ZnO Nanorod Photoelectrode Arrays for Water Splitting: An X-ray Absorption Spectroscopy Approach for the Electronic Evolution under Solar Illumination. *Journal of Physical Chemistry C*, **2011**, 115, 21971-21980	3.8	61
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