Jeffrey B Chou

List of Publications by Year in Descending Order

13 papers	1,175 citations	11 h-index	14 g-index
14 ext. papers	1,570 ext. citations	11.3 avg, IF	4.22 L-index

#	Paper	IF	Citations
13	Electrically reconfigurable non-volatile metasurface using low-loss optical phase-change material. *Nature Nanotechnology*, **2021**, 16, 661-666	28.7	85
12	Transient Tap Couplers for Wafer-Level Photonic Testing Based on Optical Phase Change Materials. *ACS Photonics*, **2021**, 8, 1903-1908	6.3	5
11	Multi-Level Electro-Thermal Switching of Optical Phase-Change Materials Using Graphene. *Advanced Photonics Research*, **2021**, 2, 2000034	1.9	24
10	Reconfigurable all-dielectric metalens with diffraction-limited performance. *Nature Communications*, **2021**, 12, 1225	17.4	63
9	Broadband transparent optical phase change materials for high-performance nonvolatile photonics. *Nature Communications*, **2019**, 10, 4279	17.4	152
8	Effect of anisotropic electron momentum distribution of surface plasmon on internal photoemission of a Schottky hot carrier device. *Optics Express*, **2017**, 25, A264-A273	3.3	10
7	Surface plasmon assisted hot electron collection in wafer-scale metallic-semiconductor photonic crystals. *Optics Express*, **2016**, 24, A1234-44	3.3	15
6	Electron beam induced rapid crystallization of water splitting nanostructures. *MRS Advances*, **2016**, 1, 825-830	0.7	12
5	Direct Insulation-to-Conduction Transformation of Adhesive Catecholamine for Simultaneous Increases of Electrical Conductivity and Mechanical Strength of CNT Fibers. *Advanced Materials*, **2015**, 27, 3250-5	24	90
4	Extremely Elastic Wearable Carbon Nanotube Fiber Strain Sensor for Monitoring of Human Motion. *ACS Nano*, **2015**, 9, 5929-36	16.7	534
3	Design of wide-angle selective absorbers/emitters with dielectric filled metallic photonic crystals for energy applications. *Optics Express*, **2014**, 22 Suppl 1, A144-54	3.3	56
2	Enabling ideal selective solar absorption with 2D metallic dielectric photonic crystals. *Advanced Materials*, **2014**, 26, 8041-5	24	98
1	Global optimization of omnidirectional wavelength selective emitters/absorbers based on dielectric-filled anti-reflection coated two-dimensional metallic photonic crystals. *Optics Express*, **2014**, 22, 21711-8	3.3	30