Guang Chu

List of Publications by Citations

28 papers	556 citations	15 h-index	23 g-index
29 ext. papers	668 ext. citations	7.5 avg, IF	3.99 L-index

#	Paper	IF	Citations
28	Optically Tunable Chiral Plasmonic Guest-Host Cellulose Films Weaved with Long-range Ordered Silver Nanowires. *ACS Applied Materials & Interfaces*, **2015**, 7, 11863-70	9.5	61
27	Free-Standing Optically Switchable Chiral Plasmonic Photonic Crystal Based on Self-Assembled Cellulose Nanorods and Gold Nanoparticles. *ACS Applied Materials & Interfaces*, **2015**, 7, 21797-806	9.5	59
26	Ice-Assisted Assembly of Liquid Crystalline Cellulose Nanocrystals for Preparing Anisotropic Aerogels with Ordered Structures. *Chemistry of Materials*, **2017**, 29, 3980-3988	9.6	52
25	Chiral electronic transitions of YVO4:Eu3+ nanoparticles in cellulose based photonic materials with circularly polarized excitation. *Journal of Materials Chemistry C*, **2015**, 3, 3384-3390	7.1	48
24	Chiral nematic mesoporous films of ZrO□Eu□+: new luminescent materials. *Dalton Transactions*, **2014**, 43, 15321-7	4.3	46
23	Chiral fluorescent films of gold nanoclusters and photonic cellulose with modulated fluorescence emission. *Journal of Materials Chemistry C*, **2016**, 4, 1764-1768	7.1	29
22	Chiral nematic mesoporous films of Y2O3:Eu3+ with tunable optical properties and modulated photoluminescence. *Journal of Materials Chemistry C*, **2014**, 2, 9189-9195	7.1	26
21	Printing Flowers? Custom-Tailored Photonic Cellulose Films with Engineered Surface Topography. *Matter*, **2019**, 1, 988-1000	12.7	23
20	Structure Evolution and Drying Dynamics in Sliding Cholesteric Cellulose Nanocrystals. *Journal of Physical Chemistry Letters*, **2018**, 9, 1845-1851	6.4	22
19	Mixed anionic surfactant-templated mesoporous silica nanoparticles for fluorescence detection of Fe(3.). *Dalton Transactions*, **2016**, 45, 508-14	4.3	21
18	All-Aqueous Liquid Crystal Nanocellulose Emulsions with Permeable Interfacial Assembly. *ACS Nano* , **2020**, 14, 13380-13390	16.7	20
17	When nanocellulose meets diffraction grating: freestanding photonic paper with programmable optical coupling. *Materials Horizons*, **2020**, 7, 511-519	14.4	19
16	Recent Advances in Food Emulsions and Engineering Foodstuffs Using Plant-Based Nanocelluloses. *Annual Review of Food Science and Technology*, **2021**, 12, 383-406	14.7	18
15	Modulating the Structural Orientation of Nanocellulose Composites through Mechano-Stimuli. *ACS Applied Materials & Interfaces*, **2019**, 11, 40443-40450	9.5	17
14	Ultrafast Optical Modulation of Rationally Engineered Photonic□Plasmonic Coupling in Self-Assembled Nanocrystalline Cellulose/Silver Hybrid Material. *Journal of Physical Chemistry C*, **2016**, 120, 27541-27547	3.8	16
13	Detection of 6-Mercaptopurine by silver nanowires-coated silicon wafer based on surface-enhanced Raman scattering spectroscopy. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2016**, 508, 309-315	5.1	15
12	Controlled Assembly of Nanocellulose-Stabilized Emulsions with Periodic Liquid Crystal-in-Liquid Crystal Organization. *Langmuir*, **2018**, 34, 13263-13273	4	12

List of Publications

11	Structural Transition in Liquid Crystal Bubbles Generated from Fluidic Nanocellulose Colloids. *Angewandte Chemie - International Edition*, **2017**, 56, 8751-8755	16.4	9
10	Structural Transition in Liquid Crystal Bubbles Generated from Fluidic Nanocellulose Colloids. *Angewandte Chemie*, **2017**, 129, 8877-8881	3.6	7
9	Structural Arrest and Phase Transition in Glassy Nanocellulose Colloids. *Langmuir*, **2020**, 36, 979-985	4	7
8	From Chaos to Order: Evaporative Assembly and Collective Behavior in Drying Liquid Crystal Droplets. *Journal of Physical Chemistry Letters*, **2018**, 9, 4795-4801	6.4	7
7	Self-organized helical superstructure of photonic cellulose loaded with upconversion nanoparticles showing modulated luminescence. *RSC Advances*, **2016**, 6, 76231-76236	3.7	7
6	pH-Controlled network formation in a mixture of oppositely charged cellulose nanocrystals and poly(allylamine). *Journal of Polymer Science, Part B: Polymer Physics*, **2019**, 57, 1527-1536	2.6	6
5	Self-Assembled Nanorods and Microspheres for Functional Photonics: Retroreflector Meets Microlens Array. *Advanced Optical Materials*, **2021**, 9, 2002258	8.1	5
4	Hybrid Nanocomposites for 3D Optics: Using Interpolymer Complexes with Cellulose Nanocrystals. *ACS Applied Materials & Interfaces*, **2019**, 11, 19324-19330	9.5	4
3	Exclusion and Trapping of Carbon Nanostructures in Nonisotropic Suspensions of Cellulose Nanostructures. *Journal of Physical Chemistry B*, **2019**, 123, 3535-3542	3.4	0
2	Dispersing swimming microalgae in self-assembled nanocellulose suspension: Unveiling living colloid dynamics in cholesteric liquid crystals.. *Journal of Colloid and Interface Science*, **2022**, 622, 978-985	9.3	0
1	Self-Assembled Nanorods and Microspheres for Functional Photonics: Retroreflector Meets Microlens Array (Advanced Optical Materials 9/2021). *Advanced Optical Materials*, **2021**, 9, 2170034	8.1	