Long Y Chiang

List of Publications by Year
in descending order

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Version: 2024-02-01

54	1,126	361045	395343
papers	citations	20	33
		h-index	g-index

55	55	55	1454
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Can nanotechnology potentiate photodynamic therapy?. Nanotechnology Reviews, 2012, 1, 111-146.	2.6	125
2	Antimicrobial photodynamic inactivation with decacationic functionalized fullerenes: Oxygen-independent photokilling in presence of azide and new mechanistic insights. Free Radical Biology and Medicine, 2015, 79, 14-27.	1.3	73
3	Inter- and Intramolecular Photoinduced Electron-Transfer Processes between C60and Diphenylaminofluorene in Solutions. Journal of Physical Chemistry B, 2003, 107, 9312-9318.	1.2	56
4	Synthesis and Photodynamic Effect of New Highly Photostable Decacationically Armed [60]- and [70]Fullerene Decaiodide Monoadducts To Target Pathogenic Bacteria and Cancer Cells. Journal of Medicinal Chemistry, 2012, 55, 4274-4285.	2.9	55
5	Synthesis and characterization of highly photoresponsive fullerenyl dyads with a close chromophore antennaâ€“C60 contact and effective photodynamic potential. Journal of Materials Chemistry, 2010, 20, 5280.	6.7	49
6	Synthesis of C60-diphenylaminofluorene dyad with large 2PA cross-sections and efficient intramolecular two-photon energy transfer. Chemical Communications, 2002, , 1854-1855.	2.2	48
7	Large Cross-Section Enhancement and Intramolecular Energy Transfer upon Multiphoton Absorption of Hindered Diphenylaminofluorene-C60Dyads and Triads. Chemistry of Materials, 2006, 18, 4065-4074.	3.2	48
8	Synthesis of decacationic [60]fullerene decaiodides giving photoinduced production of superoxide radicals and effective PDT-mediation on antimicrobial photoinactivation. European Journal of Medicinal Chemistry, 2013, 63, 170-184.	2.6	44
9	Photodynamic therapy with decacationic [60]fullerene monoadducts: Effect of a light absorbing electron-donor antenna and micellar formulation. Nanomedicine: Nanotechnology, Biology, and Medicine, 2014, 10, 795-808.	1.7	44
10	Polymer-assisted preparation of metal nanoparticles with controlled size and morphology. Journal of Materials Chemistry, 2011, 21, 2550-2554.	6.7	41
11	Self-Assembled Photoresponsive Amphiphilic Diphenylaminofluoreneâ^'C60 Conjugate Vesicles in Aqueous Solution. Langmuir, 2005, 21, 3267-3272.	1.6	39
12	Investigation of electrostatic self-assembly as a means to fabricate and interfacially modify polymer-based photovoltaic devices. Journal of Applied Physics, 2003, 94, 3253-3259.	1.1	38
13	Synthesis of Î"2,2â€²-bithieno[3,4-d]-1,3-dithiole (DTTTF) and some of its charge-transfer salts. Journal of the Chemical Society Chemical Communications, 1981, .	2.0	37
14	Efficiency of singlet oxygen production from self-assembled nanospheres of molecular micelle-like photosensitizers FC4S. Journal of Materials Chemistry, 2005, 15, 1857.	6.7	36
15	An efficient synthesis of alkyl and aryl chalcogenated derivatives of tetrathiafulvalene. Journal of Organic Chemistry, 1987, 52, 3444-3446.	1.7	35
16	Nanotechnology for photodynamic therapy: a perspective from the Laboratory of Dr. Michael R. Hamblin in the Wellman Center for Photomedicine at Massachusetts General Hospital and Harvard Medical School. Nanotechnology Reviews, 2015, 4, 359-372.	2.6	35
17	Synthesis and characterization of photoresponsive diphenylaminofluorene chromophore adducts of [60]fullerene. Journal of Materials Chemistry, 2006, 16, 1366.	6.7	34
18	Progressive cationic functionalization of chlorin derivatives for antimicrobial photodynamic inactivation and related vancomycin conjugates. Photochemical and Photobiological Sciences, 2018, 17, 638-651.	1.6	34

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19	Photoinduced electron-transfer mechanisms for radical-enhanced photodynamic therapy mediated by water-soluble decacationic C70 and C84O2 Fullerene Derivatives. Nanomedicine: Nanotechnology, Biology, and Medicine, 2013, 9, 570-579.	1.7	33
20	Large concentration-dependent nonlinear optical responses of starburst diphenylaminofluorenocarbonyl methano[60]fullerene pentads. Journal of Materials Chemistry, 2007, 17, 1826.	6.7	30
21	Prolonged Charge-Separated States of Starburst Tetra(diphenylaminofluoreno)[60]fullerene Adducts upon Photoexcitation. Journal of Physical Chemistry A, 2007, 111, 6938-6944.	1.1	19
22	Linear and Nonlinear Optical Properties of Photoresponsive [60]Fullerene Hybrid Triads and Tetrads with Dual NIR Two-Photon Absorption Characteristics. Journal of Physical Chemistry C, 2013, 117, 17186-17195.	1.5	19
23	Synthesis of C60 Fullerene-Silica Hybrid Nano Structures. Journal of Inorganic and Organometallic Polymers, 2002, 12, 49-55.	1.5	18
24	Synthesis and Photophysical Properties of C60â€Diphenylaminofluorene Dyad and Multiads. Journal of Macromolecular Science - Pure and Applied Chemistry, 2004, 41, 1387-1400.	1.2	18
25	INTRAMOLECULAR ELECTRON-TRANSFER OF C60-OLIGOANILINE LEUCOEMERALDINE CONJUGATES UPON PHOTOACTIVATION. Journal of Macromolecular Science - Pure and Applied Chemistry, 2002, 39, 1069-1083.	1.2	16
26	Sodium nitrite potentiates antimicrobial photodynamic inactivation: possible involvement of peroxynitrate. Photochemical and Photobiological Sciences, 2019, 18, 505-515.	1.6	10
27	Novel photoswitchable dielectric properties on nanomaterials of electronic coreâ€“shell Î³-FeO_x@Au@fullerosomes for GHz frequency applications. Nanoscale, 2016, 8, 6589-6599.	2.8	9
28	Synthesis of Starburst Oligoanilino[60]fullerene and Poly(Dimethylsiloxane) Triblock Copolymers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2003, 40, 1263-1273.	1.2	7
29	Synthesis of covalently attached hexadecaanilines on carbon nanotubes: toward electronic nanocarbon preparation. Nanoscale, 2010, 2, 535.	2.8	7
30	Enhancement of Photoswitchable Dielectric Property by Conducting Electron Donors on Plasmonic Coreâ€“Shell Gold-Fluorenyl C₆₀ Nanoparticles. Journal of Physical Chemistry C, 2018, 122, 12512-12523.	1.5	7
31	Synthesis of Waterâ€Soluble Highly Twoâ€Photon Responsive [60]Fullereneâ€Diphenylaminofluorene Chromophore Dyads. Journal of Macromolecular Science - Pure and Applied Chemistry, 2005, 42, 1497-1505.	1.2	6
32	Synthesis and Photoluminescent Properties of Geometrically Hindered cis-Tris(diphenylaminofluorene) as Precursors to Light-Emitting Devices. Molecules, 2015, 20, 4635-4654.	1.7	6
33	Synthesis of Photoswitchable Magnetic Auâ€“Fullerosome Hybrid Nanomaterials for Permittivity Enhancement Applications. Molecules, 2015, 20, 14746-14760.	1.7	6
34	Tunability of RF-Responses by Plasmonic Dielectric Amplification Using Branched eâ€“-Polarizable C60-Adducts on Magnetic Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 17711-17721.	1.5	6
35	Enhanced Ï€â€“d Electron Coupling in the Excited State by Combining Intramolecular Chargeâ€Transfer States with Surfaceâ€Modified Magnetic Nanoparticles in Organicâ€“Magnetic Nanocomposites. Advanced Electronic Materials, 2015, 1, 1500058.	2.6	5
36	New 3D-stereoconfigurated cis-tris(fluorenylphenylamino)-benzene with large steric hindrance to minimize Ï€â€“Ï€ stacking in thin-film devices. Dyes and Pigments, 2018, 149, 377-386.	2.0	5

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37	Synthesis and Intramolecular Energy- and Electron-Transfer of 3D-Conformeric Tris(fluorenyl-[60]fullerenylfluorene) Derivatives. Molecules, 2019, 24, 3337.	1.7	4
38	Synthesis and Characterization of Hexadecaanilineâ€Grafted Combâ€like Poly(maleic acidâ€altâ€1â€octadecene). Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1945-1954.	1.2	3
39	Comparison of Singlet Oxygen Generation Efficiency between Waterâ€Soluble C60â€Diphenylaminofluorene Conjugates and Molecular Micelleâ€like FC4S. Journal of Macromolecular Science - Pure and Applied Chemistry, 2006, 43, 1955-1963.	1.2	3
40	Alternative Synthesis of C60â€Diphenylaminofluorene Derivatives for Nonlinear Photonic Applications: Method of Preparation and Characterization. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1275-1282.	1.2	3
41	Broadband Two-Photon Absorption Characteristics of Highly Photostable Fluorenyl-Dicyanoethylenylated [60]Fullerene Dyads. Molecules, 2016, 21, 647.	1.7	3
42	Starburst Encapsulation of C₆₀by Multiple Hindered Twoâ€Photon Absorptive Diphenylaminodialkylfluorene Arms. Journal of Macromolecular Science - Pure and Applied Chemistry, 2007, 44, 1265-1273.	1.2	2
43	Structural Analysis of Novel [60]Fullerene Bisadduct Regioisomers by DFT Calculation. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1176-1181.	1.2	2
44	Synthesis of Cationic Dumbbell-shaped Fullerene Nanostructures as Potential Photodynamic Sensitizers. Journal of Macromolecular Science - Pure and Applied Chemistry, 2010, 47, 1184-1190.	1.2	2
45	STRUCTURE OF HEXA-SULFOBUTYL FULLERENES: A COMPUTATIONAL STUDY. Fullerenes Nanotubes and Carbon Nanostructures, 2002, 10, 363-372.	1.0	1
46	Synthesis and Characterization of C60Dyads with Highly Photoactive Dicyanoethylenylated Diphenylaminofluorene Chromophore Antenna. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 917-924.	1.2	1
47	Solvent and Concentration-Dependent Aggregation Study of C₆₀Dyads and Multiads on Nonlinear Photonic Properties. Journal of Macromolecular Science - Pure and Applied Chemistry, 2008, 45, 892-898.	1.2	1
48	3D-Conformer of Tris[60]fullerenylated cis-Tris(diphenylamino-fluorene) as Photoswitchable Charge-Polarizer on GHz-Responsive Trilayered Core-Shell Dielectric Nanoparticles. Molecules, 2018, 23, 1873.	1.7	1
49	Reversible Enlargement of Photoswitchable Dielectric Properties by Plasmonic [60]Fullerenyl Coreâ€“Shell Nanoparticles on Graphene Nanosheets. Journal of Physical Chemistry C, 2020, 124, 5759-5771.	1.5	1
50	Synthesis of Hydrophilic Two-Photon Absorptive Fullerene-diphenylaminoflourene Dyads for Molecular Self-assembly in Water. Materials Research Society Symposia Proceedings, 2004, 846, DD10.11.1.	0.1	0
51	Synthesis of Highly Luminescent Tris-Fluorenyl Chromophores as Intermediates of Potential Nonlinear Photonic Materials. Journal of Macromolecular Science - Pure and Applied Chemistry, 2009, 46, 1165-1171.	1.2	0
52	Photoswitching Dielectric Properties using Plasmonic Core-Shell Hybrid of 3D C60-Conformers at GHz Frequency. , 2019, , .		0
53	Cationic Functionalization of Chlorin Derivatives for Antimicrobial Photodynamic Inactivation and Related Vancomycin Conjugate. Proceedings for Annual Meeting of the Japanese Pharmacological Society, 2018, WCP2018, PO3-9-1.	0.0	0
54	C₆₀(OH)₃₂ fullerenols: calculated temperature-sensitive isomeric interplay. Fullerenes Nanotubes and Carbon Nanostructures, 0, , 1-6.	1.0	0