

Long Y Chiang

List of Publications by Year in descending order

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1,126
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361045

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#	ARTICLE	IF	CITATIONS
1	Reversible Enlargement of Photoswitchable Dielectric Properties by Plasmonic [60]Fullerenyl Core-Shell Nanoparticles on Graphene Nanosheets. <i>Journal of Physical Chemistry C</i> , 2020, 124, 5759-5771.	1.5	1
2	Synthesis and Intramolecular Energy- and Electron-Transfer of 3D-Conformer Tris(fluorenyl-[60]fullerenylfluorene) Derivatives. <i>Molecules</i> , 2019, 24, 3337.	1.7	4
3	Photoswitching Dielectric Properties using Plasmonic Core-Shell Hybrid of 3D C60-Conformers at GHz Frequency. , 2019, , .		0
4	Sodium nitrite potentiates antimicrobial photodynamic inactivation: possible involvement of peroxy-nitrate. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 505-515.	1.6	10
5	Progressive cationic functionalization of chlorin derivatives for antimicrobial photodynamic inactivation and related vancomycin conjugates. <i>Photochemical and Photobiological Sciences</i> , 2018, 17, 638-651.	1.6	34
6	New 3D-stereoconfigured cis-tris(fluorenylphenylamino)-benzene with large steric hindrance to minimize π - π stacking in thin-film devices. <i>Dyes and Pigments</i> , 2018, 149, 377-386.	2.0	5
7	Enhancement of Photoswitchable Dielectric Property by Conducting Electron Donors on Plasmonic Core-Shell Gold-Fluorenyl C ₆₀ Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2018, 122, 12512-12523.	1.5	7
8	3D-Conformer of Tris[60]fullerenylated cis-Tris(diphenylamino-fluorene) as Photoswitchable Charge-Polarizer on GHz-Responsive Trilayered Core-Shell Dielectric Nanoparticles. <i>Molecules</i> , 2018, 23, 1873.	1.7	1
9	Cationic Functionalization of Chlorin Derivatives for Antimicrobial Photodynamic Inactivation and Related Vancomycin Conjugate. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, PO3-9-1.	0.0	0
10	Broadband Two-Photon Absorption Characteristics of Highly Photostable Fluorenyl-Dicyanoethylenylated [60]Fullerene Dyads. <i>Molecules</i> , 2016, 21, 647.	1.7	3
11	Novel photoswitchable dielectric properties on nanomaterials of electronic core-shell β -FeO _x @Au@fullerosomes for GHz frequency applications. <i>Nanoscale</i> , 2016, 8, 6589-6599.	2.8	9
12	Tunability of RF-Responses by Plasmonic Dielectric Amplification Using Branched π -Polarizable C60-Adducts on Magnetic Nanoparticles. <i>Journal of Physical Chemistry C</i> , 2016, 120, 17711-17721.	1.5	6
13	Enhanced π -d Electron Coupling in the Excited State by Combining Intramolecular Charge-Transfer States with Surface-Modified Magnetic Nanoparticles in Organic-Magnetic Nanocomposites. <i>Advanced Electronic Materials</i> , 2015, 1, 1500058.	2.6	5
14	Synthesis and Photoluminescent Properties of Geometrically Hindered cis-Tris(diphenylaminofluorene) as Precursors to Light-Emitting Devices. <i>Molecules</i> , 2015, 20, 4635-4654.	1.7	6
15	Synthesis of Photoswitchable Magnetic Au-Fullerosome Hybrid Nanomaterials for Permittivity Enhancement Applications. <i>Molecules</i> , 2015, 20, 14746-14760.	1.7	6
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. <i>Nanotechnology Reviews</i> , 2015, 4, 359-372.	2.6	35
17	Antimicrobial photodynamic inactivation with decacationic functionalized fullerenes: Oxygen-independent photokilling in presence of azide and new mechanistic insights. <i>Free Radical Biology and Medicine</i> , 2015, 79, 14-27.	1.3	73
18	Photodynamic therapy with decacationic [60]fullerene monoadducts: Effect of a light absorbing electron-donor antenna and micellar formulation. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2014, 10, 795-808.	1.7	44

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19	Linear and Nonlinear Optical Properties of Photoresponsive [60]Fullerene Hybrid Triads and Tetrads with Dual NIR Two-Photon Absorption Characteristics. <i>Journal of Physical Chemistry C</i> , 2013, 117, 17186-17195.	1.5	19
20	Synthesis of decacationic [60]fullerene decaiodides giving photoinduced production of superoxide radicals and effective PDT-mediation on antimicrobial photoinactivation. <i>European Journal of Medicinal Chemistry</i> , 2013, 63, 170-184.	2.6	44
21	Photoinduced electron-transfer mechanisms for radical-enhanced photodynamic therapy mediated by water-soluble decacationic C70 and C84O2 Fullerene Derivatives. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2013, 9, 570-579.	1.7	33
22	Can nanotechnology potentiate photodynamic therapy?. <i>Nanotechnology Reviews</i> , 2012, 1, 111-146.	2.6	125
23	Synthesis and Photodynamic Effect of New Highly Photostable Decacationically Armed [60]- and [70]Fullerene Decaiodide Monoadducts To Target Pathogenic Bacteria and Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4274-4285.	2.9	55
24	Polymer-assisted preparation of metal nanoparticles with controlled size and morphology. <i>Journal of Materials Chemistry</i> , 2011, 21, 2550-2554.	6.7	41
25	Synthesis of Cationic Dumbbell-shaped Fullerene Nanostructures as Potential Photodynamic Sensitizers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2010, 47, 1184-1190.	1.2	2
26	Synthesis and characterization of highly photoresponsive fullereryl dyads with a close chromophore antenna-C60 contact and effective photodynamic potential. <i>Journal of Materials Chemistry</i> , 2010, 20, 5280.	6.7	49
27	Synthesis of covalently attached hexadecanilines on carbon nanotubes: toward electronic nanocarbon preparation. <i>Nanoscale</i> , 2010, 2, 535.	2.8	7
28	Structural Analysis of Novel [60]Fullerene Bisadduct Regioisomers by DFT Calculation. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1176-1181.	1.2	2
29	Synthesis of Highly Luminescent <i>Tris</i> -Fluorenyl Chromophores as Intermediates of Potential Nonlinear Photonic Materials. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2009, 46, 1165-1171.	1.2	0
30	Synthesis and Characterization of C60Dyads with Highly Photoactive Dicyanoethylenylated Diphenylaminofluorene Chromophore Antenna. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 917-924.	1.2	1
31	Solvent and Concentration-Dependent Aggregation Study of C ₆₀ Dyads and Multiads on Nonlinear Photonic Properties. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2008, 45, 892-898.	1.2	1
32	Starburst Encapsulation of C ₆₀ by Multiple Hindered Two-Photon Absorptive Diphenylaminodialkylfluorene Arms. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1265-1273.	1.2	2
33	Large concentration-dependent nonlinear optical responses of starburst diphenylaminofluorene-carbonyl methano[60]fullerene pentads. <i>Journal of Materials Chemistry</i> , 2007, 17, 1826.	6.7	30
34	Alternative Synthesis of C60-Diphenylaminofluorene Derivatives for Nonlinear Photonic Applications: Method of Preparation and Characterization. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2007, 44, 1275-1282.	1.2	3
35	Prolonged Charge-Separated States of Starburst Tetra(diphenylaminofluoreno)[60]fullerene Adducts upon Photoexcitation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 6938-6944.	1.1	19
36	Large Cross-Section Enhancement and Intramolecular Energy Transfer upon Multiphoton Absorption of Hindered Diphenylaminofluorene-C60Dyads and Triads. <i>Chemistry of Materials</i> , 2006, 18, 4065-4074.	3.2	48

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37	Synthesis and characterization of photoresponsive diphenylaminofluorene chromophore adducts of [60]fullerene. <i>Journal of Materials Chemistry</i> , 2006, 16, 1366.	6.7	34
38	Synthesis and Characterization of Hexadecaniline- π -Grafted Comb-Like Poly(maleic acid- β -1-octadecene). <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1945-1954.	1.2	3
39	Comparison of Singlet Oxygen Generation Efficiency between Water-Soluble C60-Diphenylaminofluorene Conjugates and Molecular Micelle-Like FC4S. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2006, 43, 1955-1963.	1.2	3
40	Efficiency of singlet oxygen production from self-assembled nanospheres of molecular micelle-like photosensitizers FC4S. <i>Journal of Materials Chemistry</i> , 2005, 15, 1857.	6.7	36
41	Synthesis of Water-Soluble Highly Two-Photon Responsive [60]Fullerene-Diphenylaminofluorene Chromophore Dyads. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2005, 42, 1497-1505.	1.2	6
42	Self-Assembled Photoresponsive Amphiphilic Diphenylaminofluorene-C60 Conjugate Vesicles in Aqueous Solution. <i>Langmuir</i> , 2005, 21, 3267-3272.	1.6	39
43	Synthesis of Hydrophilic Two-Photon Absorptive Fullerene-diphenylaminofluorene Dyads for Molecular Self-assembly in Water. <i>Materials Research Society Symposia Proceedings</i> , 2004, 846, DD10.11.1.	0.1	0
44	Synthesis and Photophysical Properties of C60-Diphenylaminofluorene Dyad and Multiads. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2004, 41, 1387-1400.	1.2	18
45	Inter- and Intramolecular Photoinduced Electron-Transfer Processes between C60 and Diphenylaminofluorene in Solutions. <i>Journal of Physical Chemistry B</i> , 2003, 107, 9312-9318.	1.2	56
46	Synthesis of Starburst Oligoanilino[60]fullerene and Poly(Dimethylsiloxane) Triblock Copolymers. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2003, 40, 1263-1273.	1.2	7
47	Investigation of electrostatic self-assembly as a means to fabricate and interfacially modify polymer-based photovoltaic devices. <i>Journal of Applied Physics</i> , 2003, 94, 3253-3259.	1.1	38
48	INTRAMOLECULAR ELECTRON-TRANSFER OF C60-OLIGOANILINE LEUCOEMERALDINE CONJUGATES UPON PHOTOACTIVATION. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2002, 39, 1069-1083.	1.2	16
49	Synthesis of C60-diphenylaminofluorene dyad with large 2PA cross-sections and efficient intramolecular two-photon energy transfer. <i>Chemical Communications</i> , 2002, , 1854-1855.	2.2	48
50	STRUCTURE OF HEXA-SULFOBUTYL FULLERENES: A COMPUTATIONAL STUDY. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2002, 10, 363-372.	1.0	1
51	Synthesis of C60 Fullerene-Silica Hybrid Nano Structures. <i>Journal of Inorganic and Organometallic Polymers</i> , 2002, 12, 49-55.	1.5	18
52	An efficient synthesis of alkyl and aryl chalcogenated derivatives of tetrathiafulvalene. <i>Journal of Organic Chemistry</i> , 1987, 52, 3444-3446.	1.7	35
53	Synthesis of π -2,2'-bithieno[3,4-d]-1,3-dithiole (DTTTF) and some of its charge-transfer salts. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, .	2.0	37
54	C ₆₀ (OH) ₃₂ fullerenols: calculated temperature-sensitive isomeric interplay. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 0, , 1-6.	1.0	0