

Yung-Chung Chen

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effect of the Steric Hindrance and Branched Substituents on Visible Phenylamine Oxime Ester Photoinitiators: Photopolymerization Kinetics Investigation through Photo-DSC Experiments. <i>Photochemistry and Photobiology</i> , 2022, 98, 773-782.	1.3	8
2	Synthesis and free radical photopolymerization of one-component type II photoinitiator based on benzophenone segment. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 429, 113900.	2.0	16
3	Effects of the number and position of methoxy substituents on triphenylamine-based chalcone visible-light-absorbing photoinitiators. <i>Polymer Chemistry</i> , 2022, 13, 3780-3789.	1.9	8
4	Structural effect on triphenylamine dibenzofulvene based interfacial hole transporting materials for high-performance inverted perovskite solar cells. <i>Materials Chemistry and Physics</i> , 2022, 288, 126385.	2.0	7
5	Sodium alginate-g-poly(sodium acrylate) hydrogel for the adsorption-desorption of ammonium nitrogen from aqueous solution. <i>Journal of Water Process Engineering</i> , 2022, 49, 102999.	2.6	10
6	Photoreactivity study of photoinitiated free radical polymerization using Type II photoinitiator containing thioxanthone initiator as a hydrogen acceptor and various amine-type co-initiators as hydrogen donors. <i>Journal of Coatings Technology Research</i> , 2021, 18, 99-106.	1.2	7
7	Facile star-shaped tetraphenylethylene-based molecules with fused ring-terminated diarylamine as interfacial hole transporting materials for inverted perovskite solar cells. <i>Materials Chemistry Frontiers</i> , 2021, 5, 1373-1387.	3.2	11
8	Dendritic-based co-adsorbents for dye-sensitized solar cells: Effect of the generations and alkyl chain lengths. <i>Synthetic Metals</i> , 2021, 274, 116711.	2.1	1
9	Ketone Number and Substitution Effect of Benzophenone Derivatives on the Free Radical Photopolymerization of Visible-Light Type-II Photoinitiators. <i>Polymers</i> , 2021, 13, 1801.	2.0	7
10	Novel phenylamine-based oxime ester photoinitiators for LED-induced free radical, cationic, and hybrid polymerization. <i>Journal of Polymer Science</i> , 2021, 59, 1711-1723.	2.0	18
11	Light extraction enhancement in organic light-emitting diodes through polyimide/porous silica hybrid films. <i>Organic Electronics</i> , 2021, 95, 106213.	1.4	6
12	Ambipolar carrier transport properties of triphenylamine/dibenzofulvene derivative and its application for efficient n-i-p perovskite solar cells. <i>Organic Electronics</i> , 2021, 95, 106200.	1.4	7
13	Synthesis and free radical photopolymerization of triphenylamine-based oxime ester photoinitiators. <i>Polymer Chemistry</i> , 2021, 12, 1286-1297.	1.9	33
14	Triphenylamine dibenzofulvene-derived dopant-free hole transporting layer induces micrometer-sized perovskite grains for highly efficient near 20% for p-i-n perovskite solar cells. <i>Progress in Photovoltaics: Research and Applications</i> , 2020, 28, 49-59.	4.4	24
15	Triphenylamine-hexaarylbiimidazole derivatives as hydrogen-acceptor photoinitiators for free radical photopolymerization under UV and LED light. <i>Polymer Chemistry</i> , 2020, 11, 1504-1513.	1.9	30
16	Benzophenone derivatives as novel organosoluble visible light Type II photoinitiators for UV and LED photoinitiating systems. <i>Journal of Polymer Science</i> , 2020, 58, 2914-2925.	2.0	22
17	The synthesis and characterization of fluorinated polyimides derived from 2-methyl-1,4-bis-(4-amino-2-trifluoromethylphenoxy)benzene and various aromatic dianhydrides. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2020, 57, 579-588.	1.2	13
18	Ammonium nitrogen adsorption from aqueous solution by poly(sodium acrylate)s: Effect on the amount of crosslinker and initiator. <i>Journal of Applied Polymer Science</i> , 2020, 137, 49581.	1.3	7

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19	Enhanced light extraction from organic light-emitting devices through non-covalent or covalent polyimide-silica light scattering hybrid films. <i>Journal of Materials Chemistry C</i> , 2020, 8, 4102-4111.	2.7	14
20	Organosoluble Co-Polynaphthalimides Based on 1,4,5,8-Naphthalene Tetracarboxylic Dianhydride, 9,9-Bis(4-aminophenyl) Fluorene and Various Bis(ether amine)s. <i>Polymer Science - Series B</i> , 2020, 62, 671-677.	0.3	0
21	Synthesis and properties of polyurea/malonamide dendritic co-adsorbents for dye-sensitized solar cells. <i>Polymer</i> , 2019, 179, 121673.	1.8	6
22	Colorless and Organosoluble Fluorinated Poly(ether imide)s Containing A Asymmetry, Bulky Featured 4-tert-Butylcatechol Bis(ether anhydride) and Trifluoromethyl Substituents Aromatic Bis(ether) Tj ETQqO 0 0 rgBT /Omerlock 10 Tf 50 61.	0.1	0
23	Effect of Coupling Agent and Silica Content for Polyimide/Silica Compositated Materials. <i>Polymer Science - Series B</i> , 2019, 61, 670-679.	0.3	0
24	Photo-polymerization properties of type-II photoinitiator systems based on 2-chlorohexaaryl biimidazole (o-Cl-HABI) and various N-phenylglycine (NPG) derivatives!. <i>Photochemical and Photobiological Sciences</i> , 2019, 18, 190-197.	1.6	21
25	Methoxy groups on bifluorenylidene-based hole transporting materials result in highly efficient and stable dopant-free inverted perovskite solar cells. <i>Solar Energy</i> , 2019, 179, 371-379.	2.9	18
26	Branched dibenzofulvene-based organic dyes for dye-sensitized solar cells under one sun and dim light. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12981-12991.	1.1	6
27	Numbers of cyanovinyl substitutes and their effect on phenothiazine based organic dyes for dye-sensitized solar cells. <i>RSC Advances</i> , 2018, 8, 9783-9789.	1.7	9
28	Optically transparent and organosoluble poly(ether imide)s based on a bis(ether anhydride) with bulky 3,3',5,5'-tetramethylbiphenyl moiety and various fluorinated bis(ether amine)s. <i>High Performance Polymers</i> , 2018, 30, 47-57.	0.8	7
29	Photocuring Kinetic Studies of TMPTMA Monomer by Type II Photoinitiators of Different Weight Ratios of 2-Chlorohexaaryl Biimidazole (o-Cl-HABI) and N-Phenylglycine (NPG). <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 487-492.	0.1	12
30	High-performance and long-term stable inverted ternary solar cells based on PTB7-Th/N2200/PC71BM blends. <i>Solar Energy</i> , 2018, 176, 170-177.	2.9	13
31	Efficient organic solar cells based on PTB7/PC71BM blend film with embedded different shapes silver nanoparticles into PEDOT:PSS as hole transporting layers. <i>Organic Electronics</i> , 2018, 62, 95-101.	1.4	28
32	Organosoluble and colorless fluorinated poly(ether imide)s derived from a highly contorted biphenyl-2,2'-diol bis(ether anhydride) and aromatic bis(ether amine)s with trifluoromethyl substituents. <i>Journal of Polymer Research</i> , 2017, 24, 1.	1.2	4
33	Multi-anchored sensitizers for dye-sensitized solar cells. <i>Sustainable Energy and Fuels</i> , 2017, 1, 969-985.	2.5	37
34	Thermally stable and organosoluble poly(amide-imide)s based on the imide ring-preformed dicarboxylic acids derived from 3,4'-oxydianiline with trimellitic anhydride and 6FDA. <i>Journal of Macromolecular Science - Pure and Applied Chemistry</i> , 2017, 54, 582-588.	1.2	8
35	A remarkable enhancement of efficiency by co-adsorption with CDCA on the bithiazole-based dye-sensitized solar cells. <i>Organic Electronics</i> , 2013, 14, 2546-2554.	1.4	32
36	2,6-Conjugated anthracene sensitizers for high-performance dye-sensitized solar cells. <i>Energy and Environmental Science</i> , 2013, 6, 2477.	15.6	88

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37	Orderly arranged NLO materials on exfoliated layered templates based on dendrons with alternating moieties at the periphery. <i>Polymer Chemistry</i> , 2013, 4, 2747.	1.9	10
38	Materials for the Active Layer of Organic Photovoltaics: Ternary Solar Cell Approach. <i>ChemSusChem</i> , 2013, 6, 20-35.	3.6	130
39	Novel Organic Sensitizers Containing 2,6-Difunctionalized Anthracene Unit for Dye Sensitized Solar Cells. <i>Polymers</i> , 2012, 4, 1443-1461.	2.0	23
40	Squaraine-Arylamine Sensitizers for Highly Efficient p-Type Dye-Sensitized Solar Cells. <i>Organic Letters</i> , 2012, 14, 4726-4729.	2.4	79
41	High-performance dye-sensitized solar cells based on 5,6-bis-hexyloxy-benzo[2,1,3]thiadiazole. <i>Journal of Materials Chemistry</i> , 2012, 22, 10929.	6.7	79
42	Coplanar indenofluorene-based organic dyes for dye-sensitized solar cells. <i>Tetrahedron</i> , 2012, 68, 7755-7762.	1.0	23
43	Novel conjugated copolymers based on dithiafulvalene moiety for bulk heterojunction solar cells. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2121-2129.	2.5	8
44	Recent developments in molecule-based organic materials for dye-sensitized solar cells. <i>Journal of Materials Chemistry</i> , 2012, 22, 8734.	6.7	362
45	Naphthyl and Thienyl Units as Bridges for Metal-Free Dye-Sensitized Solar Cells. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1074-1084.	1.7	27
46	Unsymmetric Platinum(II) Bis(aryleneethynylene) Complexes as Photosensitizers for Dye-Sensitized Solar Cells. <i>Chemistry - an Asian Journal</i> , 2012, 7, 1426-1434.	1.7	35
47	Thieno[3,4- <i>b</i>]thiophene-Based Organic Dyes for Dye-Sensitized Solar Cells. <i>Chemistry - A European Journal</i> , 2012, 18, 5430-5437.	1.7	43
48	Poly(urethane/malonamide) dendritic structures featuring blocked/deblocked isocyanate units. <i>Polymer Chemistry</i> , 2011, 2, 1139-1145.	1.9	6
49	Electrochemical impedance characterization and photovoltaic performance of N719 dye-sensitized solar cells using quaternized ammonium iodide containing polyfluorene electrolyte solutions. <i>Polymers for Advanced Technologies</i> , 2011, 22, 1650-1657.	1.6	9
50	Optically transparent and colorless poly(ether-imide)s derived from a phenylhydroquinone bis(ether) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5 2010, 17, 779-788.	1.2	42
51	Synthesis and properties of poly(ether imide)s derived from 2,5-bis(3,4-dicarboxyphenoxy)biphenyl dianhydride and aromatic ether-diamines. <i>Journal of Applied Polymer Science</i> , 2009, 113, 3993-4002.	1.3	16
52	Nonlinear optical polyimides consisting of chromophore-containing dendrons with site-isolation effect. <i>Polymers for Advanced Technologies</i> , 2009, 20, 493-500.	1.6	9
53	Orderly Arranged NLO Materials Based on Chromophore-Containing Dendrons on Exfoliated Layered Templates. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2371-2381.	4.0	18
54	Optical Non-Linearity from Montmorillonite Intercalated with a Chromophore-Containing Dendritic Structure: A Self-Assembly Approach. <i>Macromolecular Rapid Communications</i> , 2008, 29, 587-592.	2.0	23

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55	Colorless poly(ether-imide)s deriving from 2,2-bis[4-(3,4-dicarboxyphenoxy)phenyl]propane dianhydride(BPADA) and aromatic bis(ether amine)s bearing pendent trifluoromethyl groups. European Polymer Journal, 2006, 42, 721-732.	2.6	36
56	Light-colored fluorinated polyimides based on 2,5-bis(4-amino-2-trifluoromethylphenoxy)biphenyl and various aromatic dianhydrides. Journal of Applied Polymer Science, 2006, 102, 4101-4110.	1.3	14
57	Organosoluble and light-colored fluorinated polyimides based on 1,1-bis[4-(4-amino-2-trifluoromethylphenoxy)phenyl]-1-phenylethane and various aromatic dianhydrides. Journal of Applied Polymer Science, 2005, 96, 2399-2412.	1.3	14
58	Soluble and light-colored polyimides from 2,3,2',3'-oxydiphthalic anhydride and aromatic diamines. Journal of Applied Polymer Science, 2005, 97, 1352-1360.	1.3	10