Yung-Chung Chen

List of Publications by Year
in descending order

58	1,557	361045 20	315357 38
papers	citations	h-index	g-index

58	58	58	1945
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments in molecule-based organic materials for dye-sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 8734.	6.7	362
2	Materials for the Active Layer of Organic Photovoltaics: Ternary Solar Cell Approach. ChemSusChem, 2013, 6, 20-35.	3.6	130
3	2,6-Conjugated anthracene sensitizers for high-performance dye-sensitized solar cells. Energy and Environmental Science, 2013, 6, 2477.	15.6	88
4	Squaraine-Arylamine Sensitizers for Highly Efficient p-Type Dye-Sensitized Solar Cells. Organic Letters, 2012, 14, 4726-4729.	2.4	79
5	High-performance dye-sensitized solar cells based on 5,6-bis-hexyloxy-benzo[2,1,3]thiadiazole. Journal of Materials Chemistry, 2012, 22, 10929.	6.7	79
6	Thieno[3,4â€b]thiopheneâ€Based Organic Dyes for Dyeâ€Sensitized Solar Cells. Chemistry - A European Journal, 2012, 18, 5430-5437.	1.7	43
7	Optically transparent and colorless poly(ether-imide)s derived from a phenylhydroquinone bis(ether) Tj ETQq1 1 0.784314 rgBT /Over 2010, 17, 779-788.	1.2	42
8	Multi-anchored sensitizers for dye-sensitized solar cells. Sustainable Energy and Fuels, 2017, 1, 969-985.	2.5	37
9	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
10	Unsymmetric Platinum(II) Bis(aryleneethynylene) Complexes as Photosensitizers for Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2012, 7, 1426-1434.	1.7	35
11	Synthesis and free radical photopolymerization of triphenylamine-based oxime ester photoinitiators. Polymer Chemistry, 2021, 12, 1286-1297.	1.9	33
12	A remarkable enhancement of efficiency by co-adsorption with CDCA on the bithiazole-based dye-sensitized solar cells. Organic Electronics, 2013, 14, 2546-2554.	1.4	32
13	Triphenylamine-hexaarylbiimidazole derivatives as hydrogen-acceptor photoinitiators for free radical photopolymerization under UV and LED light. Polymer Chemistry, 2020, 11, 1504-1513.	1.9	30
14	Efficient organic solar cells based on PTB7/PC71BM blend film with embedded different shapes silver nanoparticles into PEDOT:PSS as hole transporting layers. Organic Electronics, 2018, 62, 95-101.	1.4	28
15	Naphthyl and Thienyl Units as Bridges for Metalâ€Free Dyeâ€Sensitized Solar Cells. Chemistry - an Asian Journal, 2012, 7, 1074-1084.	1.7	27
16	Triphenylamine dibenzofulveneâ€“derived dopantâ€free hole transporting layer induces micrometerâ€sized perovskite grains for highly efficient near 20% for pâ€inâ€n perovskite solar cells. Progress in Photovoltaics: Research and Applications, 2020, 28, 49-59.	4.4	24
17	Optical Nonâ€Linearity from Montmorillonite Intercalated with a Chromophoreâ€Containing Dendritic Structure: A Selfâ€Assembly Approach. Macromolecular Rapid Communications, 2008, 29, 587-592.	2.0	23
18	Novel Organic Sensitizers Containing 2,6-Difunctionalized Anthracene Unit for Dye Sensitized Solar Cells. Polymers, 2012, 4, 1443-1461.	2.0	23

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19	Coplanar indenofluorene-based organic dyes for dye-sensitized solar cells. Tetrahedron, 2012, 68, 7755-7762.	1.0	23
20	Benzophenone derivatives as novel organosoluble visible light Type <scp>II</scp> photoinitiators for <scp>UV</scp> and <scp>LED</scp> photoinitiating systems. Journal of Polymer Science, 2020, 58, 2914-2925.	2.0	22
21	Photo-polymerization properties of type-II photoinitiator systems based on 2-chlorohexaaryl biimidazole (o-Cl-HABI) and various N-phenylglycine (NPG) derivatives!. Photochemical and Photobiological Sciences, 2019, 18, 190-197.	1.6	21
22	Orderly Arranged NLO Materials Based on Chromophore-Containing Dendrons on Exfoliated Layered Templates. ACS Applied Materials & Interfaces, 2009, 1, 2371-2381.	4.0	18
23	Methoxy groups on bifluorenylidene-based hole transporting materials result in highly efficient and stable dopant-free inverted perovskite solar cells. Solar Energy, 2019, 179, 371-379.	2.9	18
24	Novel phenylamineâ€based oxime ester photoinitiators for <scp>LED</scp>â€induced free radical, cationic, and hybrid polymerization. Journal of Polymer Science, 2021, 59, 1711-1723.	2.0	18
25	Synthesis and properties of poly(ether imide)s derived from 2,5â€bis(3,4â€dicarboxyphenoxy)biphenyl dianhydride and aromatic etherâ€“diamines. Journal of Applied Polymer Science, 2009, 113, 3993-4002.	1.3	16
26	Synthesis and free radical photopolymerization of one-component type II photoinitiator based on benzophenone segment. Journal of Photochemistry and Photobiology A: Chemistry, 2022, 429, 113900.	2.0	16
27	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
28	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
29	Enhanced light extraction from organic light-emitting devices through non-covalent or covalent polyimideâ€“silica light scattering hybrid films. Journal of Materials Chemistry C, 2020, 8, 4102-4111.	2.7	14
30	High-performance and long-term stable inverted ternary solar cells based on PTB7-Th/N2200/PC71BM blends. Solar Energy, 2018, 176, 170-177.	2.9	13
31	The synthesis and characterization of fluorinated polyimides derived from 2â€²-methyl-1,4-bis-(4-amino-2-trifluoromethylphenoxy)benzene and various aromatic dianhydrides. Journal of Macromolecular Science - Pure and Applied Chemistry, 2020, 57, 579-588.	1.2	13
32	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). Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2018, 31, 487-492.	0.1	12
33	Facile star-shaped tetraphenylethylene-based molecules with fused ring-terminated diarylamine as interfacial hole transporting materials for inverted perovskite solar cells. Materials Chemistry Frontiers, 2021, 5, 1373-1387.	3.2	11
34	Soluble and light-colored polyimides from 2,3,2â€²,3â€²-oxydiphthalic anhydride and aromatic diamines. Journal of Applied Polymer Science, 2005, 97, 1352-1360.	1.3	10
35	Orderly arranged NLO materials on exfoliated layered templates based on dendrons with alternating moieties at the periphery. Polymer Chemistry, 2013, 4, 2747.	1.9	10
36	Sodium alginate-g-poly(sodium acrylate) hydrogel for the adsorptionâ€“desorption of ammonium nitrogen from aqueous solution. Journal of Water Process Engineering, 2022, 49, 102999.	2.6	10

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37	Nonlinear optical polyimides consisting of chromophoreâ€containing dendrons with siteâ€isolation effect. Polymers for Advanced Technologies, 2009, 20, 493-500.	1.6	9
38	Electrochemical impedance characterization and photovoltaic performance of N719 dyeâ€sensitized solar cells using quaternized ammonium iodide containing polyfluorene electrolyte solutions. Polymers for Advanced Technologies, 2011, 22, 1650-1657.	1.6	9
39	Numbers of cyanovinyl substitutes and their effect on phenothiazine based organic dyes for dye-sensitized solar cells. RSC Advances, 2018, 8, 9783-9789.	1.7	9
40	Novel conjugated copolymers based on dithiafulvalene moiety for bulk heterojunction solar cells. Journal of Polymer Science Part A, 2012, 50, 2121-2129.	2.5	8
41	Thermally stable and organosoluble poly(amide-imide)s based on the imide ring-preformed dicarboxylic acids derived from 3,4â€²-oxydianiline with trimellitic anhydride and 6FDA. Journal of Macromolecular Science - Pure and Applied Chemistry, 2017, 54, 582-588.	1.2	8
42	Effect of the Steric Hindrance and Branched Substituents on Visible Phenylamine Oxime Ester Photoinitiators: Photopolymerization Kinetics Investigation through Photoâ€DSC Experiments. Photochemistry and Photobiology, 2022, 98, 773-782.	1.3	8
43	Effects of the number and position of methoxy substituents on triphenylamine-based chalcone visible-light-absorbing photoinitiators. Polymer Chemistry, 2022, 13, 3780-3789.	1.9	8
44	Optically transparent and organosoluble poly(ether imide)s based on a bis(ether anhydride) with bulky 3,3â€²,5,5â€²-tetramethylbiphenyl moiety and various fluorinated bis(ether amine)s. High Performance Polymers, 2018, 30, 47-57.	0.8	7
45	Ammonium nitrogen adsorption from aqueous solution by poly(sodium acrylate)s: Effect on the amount of crosslinker and initiator. Journal of Applied Polymer Science, 2020, 137, 49581.	1.3	7
46	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. Journal of Coatings Technology Research, 2021, 18, 99-106.	1.2	7
47	Ketone Number and Substitution Effect of Benzophenone Derivatives on the Free Radical Photopolymerization of Visible-Light Type-II Photoinitiators. Polymers, 2021, 13, 1801.	2.0	7
48	Ambipolar carrier transport properties of triphenylamine/dibenzofulvene derivative and its application for efficient n-i-p perovskite solar cells. Organic Electronics, 2021, 95, 106200.	1.4	7
49	Structural effect on triphenylamine dibenzofulvene based interfacial hole transporting materials for high-performance inverted perovskite solar cells. Materials Chemistry and Physics, 2022, 288, 126385.	2.0	7
50	Poly(urethane/malonamide) dendritic structures featuring blocked/deblocked isocyanate units. Polymer Chemistry, 2011, 2, 1139-1145.	1.9	6
51	Synthesis and properties of polyurea/malonamide dendritic co-adsorbents for dye-sensitized solar cells. Polymer, 2019, 179, 121673.	1.8	6
52	Branched dibenzofulvene-based organic dyes for dye-sensitized solar cells under one sun and dim light. Journal of Materials Science: Materials in Electronics, 2019, 30, 12981-12991.	1.1	6
53	Light extraction enhancement in organic light-emitting diodes through polyimide/porous silica hybrid films. Organic Electronics, 2021, 95, 106213.	1.4	6
54	Organosoluble and colorless fluorinated poly(ether imide)s derived from a highly contorted biphenyl-2,2â€²-diol bis(ether anhydride) and aromatic bis(ether amine)s with trifluoromethyl substituents. Journal of Polymer Research, 2017, 24, 1.	1.2	4

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55	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 ETQq1 1 0.784314 rgBT /Overlock 10	1.1	3
56	Dendritic-based co-adsorbents for dye-sensitized solar cells: Effect of the generations and alkyl chain lengths. Synthetic Metals, 2021, 274, 116711.	2.1	1
57	Effect of Coupling Agent and Silica Content for Polyimide/Silica Composited Materials. Polymer Science - Series B, 2019, 61, 670-679.	0.3	0
58	Organosoluble Co-Polynaphthalimides Based on 1,4,5,8-Naphthalene Tetracarboxylic Dianhydride, 9,9-Bis(4-aminophenyl) Fluorene and Various Bis(ether amine)s. Polymer Science - Series B, 2020, 62, 671-677.	0.3	0