

Ching Hsuan Lin

List of Publications by Year in descending order

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78
papers

2,885
citations

126858

33
h-index

175177

52
g-index

78
all docs

78
docs citations

78
times ranked

1407
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible polybenzoxazine thermosets with high glass transition temperatures and low surface free energies. <i>Polymer Chemistry</i> , 2012, 3, 935.	1.9	173
2	Synthesis and properties of phosphorus-containing epoxy resins by novel method. <i>Journal of Polymer Science Part A</i> , 1999, 37, 3903-3909.	2.5	162
3	Synthesis of novel phosphorus-containing cyanate esters and their curing reaction with epoxy resin. <i>Polymer</i> , 2004, 45, 7911-7926.	1.8	133
4	Aromatic diamine-based benzoxazines and their high performance thermosets. <i>Polymer</i> , 2008, 49, 1220-1229.	1.8	126
5	Synthesis and properties of flame-retardant benzoxazines by three approaches. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3454-3468.	2.5	109
6	Properties and curing kinetic of diglycidyl ether of bisphenol A cured with a phosphorus-containing diamine. <i>Journal of Applied Polymer Science</i> , 1999, 74, 1635-1645.	1.3	87
7	Synthesis and properties of phosphorus-containing PEN and PBN copolyesters. <i>Polymer</i> , 1999, 40, 747-757.	1.8	85
8	Synthesis and properties of phosphorus containing advanced epoxy resins. <i>Journal of Applied Polymer Science</i> , 2000, 75, 429-436.	1.3	77
9	Preparation, thermal properties, morphology, and microstructure of phosphorus-containing epoxy/SiO ₂ and polyimide/SiO ₂ nanocomposites. <i>European Polymer Journal</i> , 2007, 43, 725-742.	2.6	77
10	Benzoxazine-based phosphinated bisphenols and their application in preparing flame-retardant, low dielectric cyanate ester thermosets. <i>Polymer Chemistry</i> , 2012, 3, 970.	1.9	74
11	Miscibility, Microstructure, and Thermal and Dielectric Properties of Reactive Blends of Dicyanate Ester and Diamine-Based Benzoxazine. <i>Macromolecules</i> , 2012, 45, 7461-7466.	2.2	71
12	Study on the Ring-Opening Polymerization of Benzoxazine through Multisubstituted Polybenzoxazine Precursors. <i>Macromolecules</i> , 2015, 48, 530-535.	2.2	68
13	An approach to develop high-Tg epoxy resins for halogen-free copper clad laminates. <i>Polymer</i> , 2009, 50, 5685-5692.	1.8	67
14	Flame-retardant epoxy resins with high glass-transition temperatures. II. Using a novel hexafunctional curing agent: 9,10-dihydro-9-oxa-10-phosphaphenanthrene 10-yl-tris(4-aminophenyl) methane. <i>Journal of Polymer Science Part A</i> , 2005, 43, 5971-5986.	2.5	66
15	Flame-retardant epoxy resins with high glass-transition temperatures from a novel trifunctional curing agent: Dopotriol. <i>Journal of Polymer Science Part A</i> , 2005, 43, 2862-2873.	2.5	57
16	Fluorinated benzoxazines and the structure-property relationship of resulting polybenzoxazines. <i>Journal of Polymer Science Part A</i> , 2008, 46, 4970-4983.	2.5	56
17	Benzoxazines with tolyl, p-hydroxyphenyl or p-carboxyphenyl linkage and the structure-property relationship of resulting thermosets. <i>Polymer</i> , 2009, 50, 2264-2272.	1.8	56
18	Synthesis and properties of phosphorus-containing polyesters derived from 2-(6-oxido-6H-dibenz[<i>c,e</i>]phosphorin-6-yl)-1,4-hydroxyethoxy phenylene. <i>Journal of Polymer Science Part A</i> , 1998, 36, 3051-3061.	2.5	54

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19	Phosphorus-Containing Epoxy Curing Agents via Imine Linkage. <i>Macromolecular Chemistry and Physics</i> , 2007, 208, 2628-2641.	1.1	52
20	Development of an aromatic triamine-based flame-retardant benzoxazine and its high-performance copolybenzoxazines. <i>European Polymer Journal</i> , 2009, 45, 680-689.	2.6	51
21	Synthesis, characterization, and properties of novel epoxy resins and cyanate esters. <i>Journal of Polymer Science Part A</i> , 2006, 44, 3487-3502.	2.5	49
22	Low dielectric thermoset. II. Synthesis and properties of novel 2,6-dimethyl phenol-dipentene epoxy. <i>Journal of Polymer Science Part A</i> , 2002, 40, 4084-4097.	2.5	44
23	Synthesis and properties of phosphorus containing copoly(bismaleimide). <i>Polymer</i> , 1999, 40, 5665-5673.	1.8	42
24	Facile, one-pot synthesis of phosphinate-substituted bisphenol A and its alkaline-stable diglycidyl ether derivative. <i>Polymer Degradation and Stability</i> , 2010, 95, 1167-1176.	2.7	41
25	Low dielectric thermoset. IV. Synthesis and properties of a dipentene-containing cyanate ester and its copolymerization with bisphenol A dicyanate ester. <i>Journal of Polymer Science Part A</i> , 2004, 42, 3986-3995.	2.5	40
26	Synthesis and properties of polyimides derived from 1,4-bis(4-aminophenoxy)-2-(6-oxido-6H-dibenz[c,e])	2.5	40
27	High temperature, flame-retardant, and transparent epoxy thermosets prepared from an acetovanillone-based hydroxyl poly(ether sulfone) and commercial epoxy resins. <i>Polymer</i> , 2016, 97, 300-308.	1.8	39
28	Soluble high- T_g polyetherimides with good flame retardancy based on an asymmetric phosphinated etherdiamine. <i>Journal of Polymer Science Part A</i> , 2011, 49, 1331-1340.	2.5	37
29	Facile preparation of a phosphinated bisphenol and its low water-absorption epoxy resins for halogen-free copper clad laminates. <i>Polymer Degradation and Stability</i> , 2013, 98, 102-108.	2.7	37
30	Organo-soluble phosphinated polyimides from asymmetric diamines. <i>Polymer</i> , 2010, 51, 3899-3906.	1.8	35
31	Facile, one-pot synthesis of aromatic diamine-based benzoxazines and their advantages over diamines as epoxy hardeners. <i>Journal of Polymer Science Part A</i> , 2010, 48, 2430-2437.	2.5	35
32	Synthesis of a benzoxazine with precisely two phenolic OH linkages and the properties of its high-performance copolymers. <i>Journal of Polymer Science Part A</i> , 2013, 51, 2686-2694.	2.5	35
33	Synthesis and property of phosphorus-containing bismaleimide by a novel method. <i>Journal of Polymer Science Part A</i> , 2000, 38, 2260-2268.	2.5	33
34	Identification of the reaction mechanism between phenyl methacrylate and epoxy and its application in preparing low-dielectric epoxy thermosets with flexibility. <i>Polymer</i> , 2018, 140, 225-232.	1.8	33
35	Facile, one-pot synthesis of aromatic diamine-based phosphinated benzoxazines and their flame-retardant thermosets. <i>Journal of Polymer Science Part A</i> , 2010, 48, 4555-4566.	2.5	32
36	Steric Hindrance Control Synthesis of Primary Amine-Containing Benzoxazines and Properties of the Resulting Poly(benzoxazine imide) Thermosetting Films. <i>Macromolecules</i> , 2013, 46, 8853-8863.	2.2	32

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37	Synthesis of 9,9-bis(4-aminophenyl)fluorene-based benzoxazine and properties of its high-performance thermoset. <i>Journal of Polymer Science Part A</i> , 2012, 50, 2201-2210.	2.5	30
38	Facile and efficient preparation of phosphinate-functionalized aromatic diamines and their high- T_g polyimides. <i>Journal of Polymer Science Part A</i> , 2009, 47, 2486-2499.	2.5	29
39	An approach of modifying poly(aryl ether ketone) to phenol-containing poly(aryl ether) and its application in preparing high-performance epoxy thermosets. <i>Polymer</i> , 2013, 54, 1612-1620.	1.8	29
40	Robustly Blood-Inert and Shape-Reproducible Electrospun Polymeric Mats. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500065.	1.9	28
41	Synthesis of a Bisbenzylideneacetone-Containing Benzoxazine and Its Photo- and Thermally Cured Thermoset. <i>ACS Omega</i> , 2017, 2, 3432-3440.	1.6	24
42	Side-chain phenol-functionalized poly(ether sulfone) and its contribution to high-performance and flexible epoxy thermosets. <i>Polymer</i> , 2013, 54, 6936-6941.	1.8	23
43	High- T_g and low-dielectric epoxy thermosets based on a propargyl ether-containing phosphinated benzoxazine. <i>Journal of Polymer Science Part A</i> , 2014, 52, 1359-1367.	2.5	23
44	Dietheramine from an alkaline-stable phosphinated bisphenol for soluble polyetherimides. <i>Polymer</i> , 2011, 52, 1249-1255.	1.8	22
45	High-performance thermosetting films based on an amino-functionalized poly(ether sulfone). <i>Journal of Applied Polymer Science</i> , 2014, 131, .	1.3	22
46	Origin of the Rapid Trimerization of Cyanate Ester in a Benzoxazine/Cyanate Ester Blend. <i>Macromolecules</i> , 2015, 48, 2417-2421.	2.2	22
47	The robustness of a thermoset of a main-chain type polybenzoxazine precursor prepared through a strategy of A-A and B-B polycondensation. <i>RSC Advances</i> , 2016, 6, 18678-18684.	1.7	22
48	Emission and surface properties of main-chain type polybenzoxazine with pyridinyl moieties. <i>RSC Advances</i> , 2014, 4, 8692-8698.	1.7	21
49	Preparation of phosphinated bisphenol from acid-fragmentation of 1,1,1-tris(4-hydroxyphenyl)ethane and its application in high-performance cyanate esters. <i>Journal of Polymer Science Part A</i> , 2011, 49, 4851-4860.	2.5	19
50	Pyridinyl-containing benzoxazine: Unusual curing behaviors with epoxy resins. <i>Polymer</i> , 2014, 55, 1666-1673.	1.8	19
51	Deprotection-free preparation of propargyl ether-containing phosphinated benzoxazine and the structure-property relationship of the resulting thermosets. <i>Journal of Polymer Science Part A</i> , 2012, 50, 1008-1017.	2.5	17
52	Catalyst-free synthesis of phosphinated poly(2,6-dimethyl-1,4-phenylene oxide) with high- T_g and low-dielectric characteristic. <i>Polymer Degradation and Stability</i> , 2014, 99, 105-110.	2.7	15
53	A study on the co-reaction of benzoxazine and triazine through a triazine-containing benzoxazine. <i>RSC Advances</i> , 2016, 6, 17539-17545.	1.7	15
54	Thermosets derived from diallyl-containing main-chain type benzoxazine polymers. <i>Polymer</i> , 2018, 149, 286-293.	1.8	15

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55	High-Tg Transparent Poly(ether sulfone)s Based on Phosphinated Bisphenols. <i>Macromolecular Chemistry and Physics</i> , 2011, 212, 455-464.	1.1	13
56	Facile, efficient synthesis of a phosphinated hydroxyl diamine and properties of its high-performance poly(hydroxyl imides) and polyimide-SiO ₂ hybrids. <i>Polymer Chemistry</i> , 2012, 3, 2867.	1.9	13
57	Synthesis of diallyl-containing polyimide and the effect of allyl groups on properties. <i>Journal of Polymer Science Part A</i> , 2015, 53, 513-520.	2.5	13
58	Photo-sensitive benzoxazine II: chalcone-containing benzoxazine and its photo and thermal-cured thermoset. <i>RSC Advances</i> , 2017, 7, 37844-37851.	1.7	13
59	Full atom-efficiency transformation of wasted polycarbonates into epoxy thermosets and the catalyst-free degradation of the thermosets for environmental sustainability. <i>Green Chemistry</i> , 2020, 22, 4683-4696.	4.6	13
60	Design and synthesis of unsymmetric phosphinated diamines for high-Tg, transparent polyimides. <i>Polymer</i> , 2012, 53, 1651-1658.	1.8	12
61	Synthesis of a phosphinated acetoxybenzoic acid and its application in enhancing Tg and flame retardancy of poly(ethylene terephthalate). <i>Journal of Polymer Science Part A</i> , 2014, 52, 424-434.	2.5	11
62	Synthesis of a phosphinated tetracyanate ester and its miscible blend with 4,4'-oxydianiline/phenol-based benzoxazine. <i>RSC Advances</i> , 2015, 5, 10165-10171.	1.7	11
63	Preparation and Degradation of Waste Polycarbonate-Derived Epoxy Thermosets and Composites. <i>ACS Applied Polymer Materials</i> , 2022, 4, 413-424.	2.0	11
64	Facile preparation of novel epoxy curing agents and their high-performance thermosets. <i>Journal of Polymer Science Part A</i> , 2008, 46, 7898-7912.	2.5	9
65	Structure-property relationship of vinyl-terminated oligo(2,6-dimethyl-1,4-phenylene ether)s (OPEs): Seeking an OPE with better properties. <i>European Polymer Journal</i> , 2019, 117, 94-104.	2.6	9
66	Synthesis and properties of phosphorus containing polyester-amides derived from 1,4-bis(3-aminobenzoyloxy)-2-(6-oxido-6H-dibenzoc,1,2-oxaphosphorin-6-yl) phenylene. <i>Journal of Polymer Science Part A</i> , 1999, 37, 891-899.	2.5	8
67	Strategy to prepare 4-hydroxyphenyl propargyl ether-based benzoxazine from bisphenol A. <i>RSC Advances</i> , 2015, 5, 74874-74880.	1.7	8
68	A strategy for preparing spirobichroman dianhydride from bisphenol A and its resulting polyimide with low dielectric characteristic. <i>RSC Advances</i> , 2017, 7, 1101-1109.	1.7	8
69	Synthesis of High-Tg, Flame-Retardant, and Low-Dissipation Telechelic Oligo(2,6-dimethylphenylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 62	2.0	8
70	Crystallization kinetics and multiple melting phenomena of a flame-retardant phosphorus containing copolyester. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 1999, 37, 2269-2277.	2.4	5
71	Synthesis of thermosetting polyetherimide-containing allyl groups. <i>Journal of Polymer Science Part A</i> , 2013, 51, 1734-1741.	2.5	5
72	Inexpensive synthesis of 1,4-bis(4-aminophenoxy)-2-(6-oxido-6H-dibenzoc,1,2-oxaphosphorin-6-yl) phenylene Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62	1.8	4

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73	Electron-withdrawing/donating effects of substituents on the preparation of phosphinated 4,4'-diaminodiphenylmethane for soluble, anti-oxidative, and high-Tg polyimides. High Performance Polymers, 2012, 24, 140-149.	0.8	4
74	Phosphinated phenols from acid-catalyzed fragmentation of bisphenols and their unsymmetrical diamine derivatives for copolyimides. Journal of Polymer Science Part A, 2014, 52, 390-400.	2.5	4
75	Facile synthesis of high-performance poly(pyrrolone imide)s from an unsymmetric phosphinated triamine. Journal of Polymer Science Part A, 2013, 51, 2709-2715.	2.5	3
76	An approach to develop high-Tg epoxy resins for halogen-free copper clad laminates. , 2010, , .		1
77	Synthesis and properties of phosphorus containing advanced epoxy resins. , 2000, 75, 429.		1
78	Effect of orientation of phosphinate pendant on the transparency of polyimides: Design and synthesis of phosphinated diamines with a bulky ortho substitution for high-Tg, transparent polyimides. , 2011, , .		0