Tzong-Yuan Juang

List of Publications by Year
in descending order

51	1,197	331259 21	414034 32
papers	citations	h-index	g-index

53	53	53	1550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Degradation of Thermal-Mechanically Stable Epoxy Thermosets, Recycling of Carbon Fiber, and Reapplication of the Degraded Products. ACS Sustainable Chemistry and Engineering, 2021, 9, 5304-5314.	3.2	21
2	Cytotoxicity and cell imaging of six types of carbon nanodots prepared through carbonization and hydrothermal processing of natural plant materials. RSC Advances, 2021, 11, 16661-16674.	1.7	26
3	Non-Conventional Fluorescence and Cytotoxicity of Two Aliphatic Hyperbranched Polymer Dots Having Poly(amic acid) Structures: Implications for Labeling Nanodrug Carriers. ACS Omega, 2021, 6, 33159-33170.	1.6	2
4	Co-Immobilization of Xylanase and Scaffolding Protein onto an Immobilized Metal Ion Affinity Membrane. Catalysts, 2020, 10, 1408.	1.6	12
5	Shaking Rate during Production Affects the Activity of Escherichia coli Surface-Displayed Candida antarctica Lipase A. Catalysts, 2020, 10, 382.	1.6	8
6	Mg-Fe Layered Double Hydroxides Enhance Surfactin Production in Bacterial Cells. Crystals, 2019, 9, 355.	1.0	3
7	A fermentation process for the in situ intercalation of surfactin into layered double hydroxides. Applied Clay Science, 2019, 182, 105247.	2.6	3
8	Synthesis and Properties of Quinoxaline-Containing Benzoxazines and Polybenzoxazines. ACS Omega, 2019, 4, 9092-9101.	1.6	15
9	The reaction of activated esters with epoxides for self-curable, highly flexible, A₂B₂- and A₃B₃-type epoxy compounds. Polymer Chemistry, 2019, 10, 3983-3995.	1.9	35
10	Using Dicyclopentadiene-Derived Polyarylates as Epoxy Curing Agents To Achieve High T_g and Low Dielectric Epoxy Thermosets. ACS Omega, 2018, 3, 4295-4305.	1.6	22
11	Carbonized Bambooâ€Derived Carbon Nanodots as Efficient Cathode Interfacial Layers in Highâ€Performance Organic Photovoltaics. Advanced Materials Interfaces, 2018, 5, 1800031.	1.9	13
12	Perovskite Solar Cells: Carbon Nanodot Additives Realize Highâ€Performance Airâ€Stable pâ€“iâ€“n Perovskite Solar Cells Providing Efficiencies of up to 20.2% (Adv. Energy Mater. 34/2018). Advanced Energy Materials, 2018, 8, 1870147.	10.2	3
13	Carbon Nanodot Additives Realize Highâ€Performance Airâ€Stable pâ€“iâ€“n Perovskite Solar Cells Providing Efficiencies of up to 20.2%. Advanced Energy Materials, 2018, 8, 1802323.	10.2	86
14	Low-Dissipation Thermosets Derived from Oligo(2,6-Dimethyl Phenylene Oxide)-Containing Benzoxazines. Polymers, 2018, 10, 411.	2.0	17
15	High-Tg, Low-Dielectric Epoxy Thermosets Derived from Methacrylate-Containing Polyimides. Polymers, 2018, 10, 27.	2.0	16
16	High-performance bio-based benzoxazines derived from phosphinated biphenols and furfurylamine. European Polymer Journal, 2018, 108, 48-56.	2.6	33
17	First halogen and phosphorus-free, flame-retardant benzoxazine thermosets derived from main-chain type bishydroxydeoxybenzoin-based benzoxazine polymers. Polymer, 2018, 154, 35-41.	1.8	46
18	High-performance thermosets derived from acetovanillone-based reactive polyethers. Polymer, 2018, 151, 307-315.	1.8	7

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19	Phosphinated Poly(aryl ether)s with Acetic/Phenyl Methacrylic/Vinylbenzyl Ether Moieties for High-T_g and Low-Dielectric Thermosets. ACS Omega, 2018, 3, 6031-6038.	1.6	12
20	Facile immobilization of Bacillus licheniformis Î³-glutamyltranspeptidase onto graphene oxide nanosheets and its application to the biocatalytic synthesis of Î³-l-glutamyl peptides. International Journal of Biological Macromolecules, 2018, 117, 1326-1333.	3.6	14
21	Enhanced surfactin production via the addition of layered double hydroxides. Journal of the Taiwan Institute of Chemical Engineers, 2017, 80, 10-15.	2.7	8
22	Highly Efficient Inverted Organic Photovoltaics Containing Aliphatic Hyperbranched Polymers as Cathode Modified Layers. Macromolecules, 2016, 49, 7837-7843.	2.2	23
23	Influence of Temperature on the Formation of Silver Nanoparticles by using a Seedâ€Free Photochemical Method under Sodiumâ€Lamp Irradiation. ChemPhysChem, 2015, 16, 3254-3263.	1.0	13
24	Enhanced efficiency of organic and perovskite photovoltaics from shape-dependent broadband plasmonic effects of silver nanoplates. Solar Energy Materials and Solar Cells, 2015, 140, 224-231.	3.0	77
25	Honeycomb-like polymeric films from dendritic polymers presenting reactive pendent moieties. Polymer, 2014, 55, 1481-1490.	1.8	19
26	Surface-Functionalized Hyperbranched Poly(Amido Acid) Magnetic Nanocarriers for Covalent Immobilization of a Bacterial Î³-Glutamyltranspeptidase. Molecules, 2014, 19, 4997-5012.	1.7	25
27	Synthesis and properties of new water-soluble aliphatic hyperbranched poly(amido acids) with high pH-dependent photoluminescence. Polymer, 2013, 54, 623-630.	1.8	50
28	Preparation of Supramolecular Extenders with Precise Chain Lengths via Iterative Synthesis and Their Applications in Polyurethane Elastomers. Macromolecules, 2012, 45, 5358-5370.	2.2	14
29	Organic/Metallic Nanohybrids Based on Amphiphilic Dumbbell-Shaped Dendrimers. ACS Applied Materials & Interfaces, 2012, 4, 1897-1908.	4.0	23
30	Individual graphene oxide platelets through direct molecular exfoliation with globular amphiphilic hyperbranched polymers. Polymer Chemistry, 2012, 3, 1249.	1.9	26
31	Poly(urethane/malonamide) dendritic structures featuring blocked/deblocked isocyanate units. Polymer Chemistry, 2011, 2, 1139-1145.	1.9	6
32	Exfoliation of layered silicates through in situ controlled free radical polymerization mediated by a silicate-anchored initiator. Polymer Chemistry, 2011, 2, 2341.	1.9	8
33	Sequential self-repetitive reaction toward wholly aromatic polyimides with highly stable optical nonlinearity. Polymer Chemistry, 2011, 2, 685-693.	1.9	21
34	Single-Layered Graphene Oxide Nanosheet/Polyaniline Hybrids Fabricated Through Direct Molecular Exfoliation. Langmuir, 2011, 27, 14563-14569.	1.6	58
35	Thermally stable hyperbranched nonlinear optical polyimides using an â€œA2+B3â€• approach. Materials Chemistry and Physics, 2011, 127, 107-113.	2.0	10
36	Using a breath-figure method to self-organize honeycomb-like polymeric films from dendritic side-chain polymers. Materials Chemistry and Physics, 2011, 128, 157-165.	2.0	26

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37	A reactive modifier that enhances the thermal mechanical properties of epoxy resin through the formation of multiple hydrogen-bonded network. Journal of Polymer Research, 2011, 18, 1169-1176.	1.2	13
38	Tailored thermal and mechanical properties of epoxy resins prepared using multiply hydrogenâ€bonding reactive modifiers. Journal of Applied Polymer Science, 2011, 120, 2411-2420.	1.3	14
39	Nanoscale organic/inorganic hybrids based on self-organized dendritic macromolecules on montmorillonites. Applied Clay Science, 2010, 48, 103-110.	2.6	20
40	Nonlinear optical, poly(amide-imide)â€“clay nanocomposites comprising an azobenzene moiety synthesised via sequential self-repetitive reaction. Dyes and Pigments, 2009, 82, 76-83.	2.0	17
41	Orderly Arranged NLO Materials Based on Chromophore-Containing Dendrons on Exfoliated Layered Templates. ACS Applied Materials & Interfaces, 2009, 1, 2371-2381.	4.0	18
42	Dendronized organicâ€“inorganic nonlinear optical hybrid materials with homogeneous morphology. Synthetic Metals, 2009, 159, 1852-1858.	2.1	5
43	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
44	Preparation of clay/epoxy nanocomposites by layered-double-hydroxide initiated self-polymerization. Polymer, 2008, 49, 4796-4801.	1.8	44
45	Organo-clay hybrids based on dendritic molecules: preparation and characterization. Nanotechnology, 2007, 18, 205606.	1.3	27
46	Preparation of Proteinâ^'Silicate Hybrids from Polyamine Intercalation of Layered Montmorillonite. Langmuir, 2007, 23, 1995-1999.	1.6	62
47	Synthesis ofN-aryl azetidine-2,4-diones and polymalonamides prepared from selective ring-opening reactions. Journal of Applied Polymer Science, 2007, 103, 3591-3599.	1.3	42
48	Synthesis and montmorillonite-intercalated behavior of dendritic surfactants. Journal of Materials Chemistry, 2006, 16, 2056.	6.7	41
49	Stable second-order NLO semi-IPN system based on bipyridine-containing polyimide and alkoxysilane dye. Polymers for Advanced Technologies, 2005, 16, 515-523.	1.6	11
50	Intercalation of layered double hydroxides by poly(oxyalkylene)-amidocarboxylates: tailoring layered basal spacing. Polymer, 2004, 45, 7887-7893.	1.8	36
51	Production of D-P-HYDROXYPHENYLGLYCINE BY N-CARBAMOYL-D-amino Acid Amidohydrolase-Overproducing Escherichia coli Strains. Biotechnology Progress, 1999, 15, 603-607.	1.3	22