I-Hsiang Tseng

List of Publications by Year
in descending order

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46 papers	2,100 citations	393982 19 h-index	253896 43 g-index
46 all docs	46 docs citations	46 times ranked	2678 citing authors

#	Article	IF	Citations
1	Sugarcane bagasse supported graphitic carbon nitride for photocatalytic conversion of carbon dioxide. Catalysis Communications, 2022, 164, 106431.	1.6	6
2	Polyimide-derived graphite barrier layer adhered to seed crystals to improve the quality of grown silicon carbide. RSC Advances, 2022, 12, 19695-19702.	1.7	0
3	Studies of Nickel/Samarium-Doped Ceria for Catalytic Partial Oxidation of Methane and Effect of Oxygen Vacancy. Catalysts, 2021, 11, 731.	1.6	5
4	Phosphinated poly(imide-siloxane) hybrid films with enhanced adhesion strength and reduced dielectric constant. Progress in Organic Coatings, 2021, 159, 106461.	1.9	7
5	Bio-friendly titania-grafted chitosan film with biomimetic surface structure for photocatalytic application. Carbohydrate Polymers, 2020, 230, 115584.	5.1	15
6	Anatase TiO2-Decorated Graphitic Carbon Nitride for Photocatalytic Conversion of Carbon Dioxide. Polymers, 2019, 11, 146.	2.0	26
7	Biomimetic Polyimide-Supported Cuprous Oxide Photocatalytic Film with Tunable Hydrophobicity, Improved Thermal Stability, and Photocatalytic Activity toward CO₂ Reduction. ACS Omega, 2019, 4, 1636-1644.	1.6	19
8	Photocatalytic conversion of gas phase carbon dioxide by graphitic carbon nitride decorated with cuprous oxide with various morphologies. Journal of CO2 Utilization, 2018, 26, 511-521.	3.3	20
9	Phosphinated polyimide hybrid films with reduced melt-flow and enhanced adhesion for flexible copper clad laminates. Progress in Organic Coatings, 2018, 124, 92-98.	1.9	9
10	Photocatalytic Performance of Titania Nanosheets Templated by Graphene Oxide. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 339, 1-11.	2.0	14
11	Mimosa Pudica Leafâ€Like Rapid Movement and Actuation of Organosoluble Polyimide Blending with Sulfonated Polyaniline. Advanced Materials Interfaces, 2017, 4, 1600901.	1.9	7
12	Transparent Polyimide Film with Improved Water and Oxygen Barrier Property by Inâ€Situ Exfoliating Graphite. Advanced Engineering Materials, 2016, 18, 582-590.	1.6	18
13	Sulfonated graphene oxide-doped zincoxysulfide composites with enhanced photocatalytic hydrogen production performance. International Journal of Hydrogen Energy, 2016, 41, 21755-21763.	3.8	17
14	Fabrication of organosilica hollow spheres using organosiloxane-templated solâ€“gel process. Journal of Sol-Gel Science and Technology, 2015, 76, 465-468.	1.1	1
15	Enhancement of Dimensional Stability and Optical Transparency of Colorless Organo-Soluble Polyimide by Incorporation of Silica and Cosolvent. International Journal of Polymeric Materials and Polymeric Biomaterials, 2014, 63, 48-56.	1.8	17
16	Flexible and Transparent Polyimide Films Containing Two-Dimensional Alumina Nanosheets Templated by Graphene Oxide for Improved Barrier Property. ACS Applied Materials & Interfaces, 2014, 6, 13098-13105.	4.0	31
17	Flexible Polyimide Films Hybrid with Functionalized Boron Nitride and Graphene Oxide Simultaneously To Improve Thermal Conduction and Dimensional Stability. ACS Applied Materials & Interfaces, 2014, 6, 8639-8645.	4.0	179
18	Properties of polyimide hybrids with mixed metal oxide. Journal of Applied Polymer Science, 2013, 127, 145-153.	1.3	15

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19	Properties of magnetron-sputtered moisture barrier layer on transparent polyimide/graphene nanocomposite film. Thin Solid Films, 2013, 544, 324-330.	0.8	37
20	Transparent polyimide nanocomposites with improved moisture barrier using graphene. Polymer International, 2013, 62, 1302-1309.	1.6	45
21	Composition, thermal and tensile properties of polyurethane-urea-silica hybrids. RSC Advances, 2013, 3, 9729.	1.7	15
22	Soluble polyimide films as alignment layers for bistable chiral-tilted homeotropic nematic liquid crystal display applications. Thin Solid Films, 2013, 544, 74-78.	0.8	5
23	An in situ fabrication process for highly electrical conductive polyimide/MWCNT composite films using 2,6-diaminoanthraquinone. Composites Science and Technology, 2013, 87, 174-181.	3.8	31
24	Effect of magnetron sputtered silicon nitride on the water-vapor-permeation-rate of polyimide thin film. Surface and Coatings Technology, 2013, 231, 496-500.	2.2	9
25	Holographic recording characteristics and physical mechanism of zinc methacrylate/nitroanilineâ€coâ€doped poly(methyl methacrylate)/9,10â€phenanthrenequinone photopolymers. Polymer Engineering and Science, 2013, 53, 1297-1305.	1.5	0
26	Enhanced thermal conductivity and dimensional stability of flexible polyimide nanocomposite film by addition of functionalized graphene oxide. Polymer International, 2013, 62, 827-835.	1.6	91
27	NIST gold nanoparticle reference materials do not induce oxidative DNA damage. Nanotoxicology, 2013, 7, 21-29.	1.6	54
28	A STRATEGY TO ENHANCE THE BIOMEDICAL ARTICULATION SYSTEM BY ELECTROCHEMICALLY TEXTURING OF METAL SURFACES. Biomedical Engineering - Applications, Basis and Communications, 2012, 24, 343-347.	0.3	0
29	Transparent polyimide/graphene oxide nanocomposite with improved moisture barrier property. Materials Chemistry and Physics, 2012, 136, 247-253.	2.0	141
30	Morphology, thermal properties, hydrophobicity and O₂/N₂ gas separation performance of 4,4â€²â€oxydiphthalic anhydrideâ€based polyimide/titania hybrids. Polymer International, 2012, 61, 1136-1143.	1.6	6
31	Enhancement of adhesion between copper foil and polyimide film containing thermally decomposable polystyrene particles. Journal of Applied Polymer Science, 2012, 126, E365.	1.3	4
32	Thermal conductivity and morphology of silverâ€filled multiwalled carbon nanotubes/polyimide nanocomposite films. Journal of Applied Polymer Science, 2012, 126, E182.	1.3	13
33	Pigment and nanofiller photoreactivity database. Journal of Coatings Technology Research, 2012, 9, 443-451.	1.2	6
34	Effect of TiO₂ on thermal and adhesive characteristics of poly(imide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (siloxane	1.3	6
35	Fabrication of porous polylactic acid films assisted by dipâ€coating and template leaching techniques. Journal of Applied Polymer Science, 2012, 124, 2333-2339.	1.3	10
36	Characterizing the dynamic behavior of nano-TiO2 agglomerates in suspensions by photocorrelation spectroscopy. Journal of Nanoparticle Research, 2011, 13, 2195-2204.	0.8	1

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37	Effect of TiO2 pigment type on the UV degradation of filled coatings. Journal of Coatings Technology Research, 2011, 8, 19-33.	1.2	24
38	Effect of silanes on the morphology, hydrophobicity, and dynamical mechanical properties of polyimide/silica hybrid membranes. Journal of Applied Polymer Science, 2011, 122, 648-656.	1.3	11
39	Thermal and tensile properties of HTPB-based PU with PVC blends. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 4917-4923.	2.6	22
40	Properties of polyimide/Al2O3 and Si3N4 deposited thin films. Thin Solid Films, 2011, 519, 4969-4973.	0.8	39
41	Thermal and mechanical properties of polyimide/nano-silica hybrid films. Thin Solid Films, 2011, 519, 5238-5242.	0.8	34
42	Effects of Pigment Type and Dispersion on Photodegradation of Epoxy and Acrylic Urethane Films. Materials Research Society Symposia Proceedings, 2007, 1056, 1.	0.1	1
43	Effects of solâ€“gel procedures on the photocatalysis of Cu/TiO2 in CO2 photoreduction. Journal of Catalysis, 2004, 221, 432-440.	3.1	397
44	Chemical states of metal-loaded titania in the photoreduction of CO2. Catalysis Today, 2004, 97, 113-119.	2.2	134
45	Photoreduction of CO2 using solâ€“gel derived titania and titania-supported copper catalysts. Applied Catalysis B: Environmental, 2002, 37, 37-48.	10.8	524
46	Synthesis of Titania-supported Copper Nanoparticles via Refined Alkoxide Sol-gel Process. Journal of Nanoparticle Research, 2001, 3, 113-118.	0.8	34