

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
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46
all docs

46
docs citations

46
times ranked

2678
citing authors

#	ARTICLE	IF	CITATIONS
1	Photoreduction of CO ₂ using sol-gel derived titania and titania-supported copper catalysts. Applied Catalysis B: Environmental, 2002, 37, 37-48.	10.8	524
2	Effects of sol-gel procedures on the photocatalysis of Cu/TiO ₂ in CO ₂ photoreduction. Journal of Catalysis, 2004, 221, 432-440.	3.1	397
3	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
4	Transparent polyimide/graphene oxide nanocomposite with improved moisture barrier property. Materials Chemistry and Physics, 2012, 136, 247-253.	2.0	141
5	Chemical states of metal-loaded titania in the photoreduction of CO ₂ . Catalysis Today, 2004, 97, 113-119.	2.2	134
6	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
7	NIST gold nanoparticle reference materials do not induce oxidative DNA damage. Nanotoxicology, 2013, 7, 21-29.	1.6	54
8	Transparent polyimide nanocomposites with improved moisture barrier using graphene. Polymer International, 2013, 62, 1302-1309.	1.6	45
9	Properties of polyimide/Al ₂ O ₃ and Si ₃ N ₄ deposited thin films. Thin Solid Films, 2011, 519, 4969-4973.	0.8	39
10	Properties of magnetron-sputtered moisture barrier layer on transparent polyimide/graphene nanocomposite film. Thin Solid Films, 2013, 544, 324-330.	0.8	37
11	Synthesis of Titania-supported Copper Nanoparticles via Refined Alkoxide Sol-gel Process. Journal of Nanoparticle Research, 2001, 3, 113-118.	0.8	34
12	Thermal and mechanical properties of polyimide/nano-silica hybrid films. Thin Solid Films, 2011, 519, 5238-5242.	0.8	34
13	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
14	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
15	Anatase TiO ₂ -Decorated Graphitic Carbon Nitride for Photocatalytic Conversion of Carbon Dioxide. Polymers, 2019, 11, 146.	2.0	26
16	Effect of TiO ₂ pigment type on the UV degradation of filled coatings. Journal of Coatings Technology Research, 2011, 8, 19-33.	1.2	24
17	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
18	Photocatalytic conversion of gas phase carbon dioxide by graphitic carbon nitride decorated with cuprous oxide with various morphologies. Journal of CO ₂ Utilization, 2018, 26, 511-521.	3.3	20

#	ARTICLE	IF	CITATIONS
19	Biomimetic Polyimide-Supported Cuprous Oxide Photocatalytic Film with Tunable Hydrophobicity, Improved Thermal Stability, and Photocatalytic Activity toward CO ₂ Reduction. ACS Omega, 2019, 4, 1636-1644.	1.6	19
20	Transparent Polyimide Film with Improved Water and Oxygen Barrier Property by In-situ Exfoliating Graphite. Advanced Engineering Materials, 2016, 18, 582-590.	1.6	18
21	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
22	Sulfonated graphene oxide-doped zincosulfide composites with enhanced photocatalytic hydrogen production performance. International Journal of Hydrogen Energy, 2016, 41, 21755-21763.	3.8	17
23	Properties of polyimide hybrids with mixed metal oxide. Journal of Applied Polymer Science, 2013, 127, 145-153.	1.3	15
24	Composition, thermal and tensile properties of polyurethane-urea-silica hybrids. RSC Advances, 2013, 3, 9729.	1.7	15
25	Bio-friendly titania-grafted chitosan film with biomimetic surface structure for photocatalytic application. Carbohydrate Polymers, 2020, 230, 115584.	5.1	15
26	Photocatalytic Performance of Titania Nanosheets Templated by Graphene Oxide. Journal of Photochemistry and Photobiology A: Chemistry, 2017, 339, 1-11.	2.0	14
27	Thermal conductivity and morphology of silver-filled multiwalled carbon nanotubes/polyimide nanocomposite films. Journal of Applied Polymer Science, 2012, 126, E182.	1.3	13
28	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
29	Fabrication of porous polylactic acid films assisted by dip-coating and template leaching techniques. Journal of Applied Polymer Science, 2012, 124, 2333-2339.	1.3	10
30	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
31	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
32	Mimosa Pudica Leaf-Like Rapid Movement and Actuation of Organosoluble Polyimide Blending with Sulfonated Polyaniline. Advanced Materials Interfaces, 2017, 4, 1600901.	1.9	7
33	Phosphinated poly(imide-siloxane) hybrid films with enhanced adhesion strength and reduced dielectric constant. Progress in Organic Coatings, 2021, 159, 106461.	1.9	7
34	Morphology, thermal properties, hydrophobicity and O ₂ /N ₂ gas separation performance of 4,4'-oxydiphthalic anhydride-based polyimide/titania hybrids. Polymer International, 2012, 61, 1136-1143.	1.6	6
35	Pigment and nanofiller photoreactivity database. Journal of Coatings Technology Research, 2012, 9, 443-451.	1.2	6
36	Effect of TiO ₂ on thermal and adhesive characteristics of poly(imide) Tj ETQq0 0 0 rgBT /Overlock 10 Tf,50 62 Td (siloxane)	1.3	6

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37	Sugarcane bagasse supported graphitic carbon nitride for photocatalytic conversion of carbon dioxide. <i>Catalysis Communications</i> , 2022, 164, 106431.	1.6	6
38	Soluble polyimide films as alignment layers for bistable chiral-tilted homeotropic nematic liquid crystal display applications. <i>Thin Solid Films</i> , 2013, 544, 74-78.	0.8	5
39	Studies of Nickel/Samarium-Doped Ceria for Catalytic Partial Oxidation of Methane and Effect of Oxygen Vacancy. <i>Catalysts</i> , 2021, 11, 731.	1.6	5
40	Enhancement of adhesion between copper foil and polyimide film containing thermally decomposable polystyrene particles. <i>Journal of Applied Polymer Science</i> , 2012, 126, E365.	1.3	4
41	Effects of Pigment Type and Dispersion on Photodegradation of Epoxy and Acrylic Urethane Films. <i>Materials Research Society Symposia Proceedings</i> , 2007, 1056, 1.	0.1	1
42	Characterizing the dynamic behavior of nano-TiO ₂ agglomerates in suspensions by photocalorimetry. <i>Journal of Nanoparticle Research</i> , 2011, 13, 2195-2204.	0.8	1
43	Fabrication of organosilica hollow spheres using organosiloxane-templated sol-gel process. <i>Journal of Sol-Gel Science and Technology</i> , 2015, 76, 465-468.	1.1	1
44	A STRATEGY TO ENHANCE THE BIOMEDICAL ARTICULATION SYSTEM BY ELECTROCHEMICALLY TEXTURING OF METAL SURFACES. <i>Biomedical Engineering - Applications, Basis and Communications</i> , 2012, 24, 343-347.	0.3	0
45	Holographic recording characteristics and physical mechanism of zinc methacrylate/nitroaniline-doped poly(methyl methacrylate)/9,10-phenanthrenequinone photopolymers. <i>Polymer Engineering and Science</i> , 2013, 53, 1297-1305.	1.5	0
46	Polyimide-derived graphite barrier layer adhered to seed crystals to improve the quality of grown silicon carbide. <i>RSC Advances</i> , 2022, 12, 19695-19702.	1.7	0