

# Mei-Hui Tsai

## List of Publications by Year in descending order

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35  
papers

957  
citations

567144

15  
h-index

434063

31  
g-index

35  
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35  
docs citations

35  
times ranked

1216  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flexible Polyimide Films Hybrid with Functionalized Boron Nitride and Graphene Oxide Simultaneously To Improve Thermal Conduction and Dimensional Stability. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 8639-8645.	4.0	179
2	Transparent polyimide/graphene oxide nanocomposite with improved moisture barrier property. <i>Materials Chemistry and Physics</i> , 2012, 136, 247-253.	2.0	141
3	Enhanced thermal conductivity and dimensional stability of flexible polyimide nanocomposite film by addition of functionalized graphene oxide. <i>Polymer International</i> , 2013, 62, 827-835.	1.6	91
4	Electrochemical studies on aniline-pentamer-based electroactive polyimide coating: Corrosion protection and electrochromic properties. <i>Electrochimica Acta</i> , 2011, 56, 10151-10158.	2.6	64
5	Advanced anti-corrosion coatings prepared from $\text{ZrO}_2$ -zirconium phosphate/polyurethane nanocomposites. <i>RSC Advances</i> , 2017, 7, 9908-9913.	1.7	50
6	Transparent polyimide nanocomposites with improved moisture barrier using graphene. <i>Polymer International</i> , 2013, 62, 1302-1309.	1.6	45
7	Properties of magnetron-sputtered moisture barrier layer on transparent polyimide/graphene nanocomposite film. <i>Thin Solid Films</i> , 2013, 544, 324-330.	0.8	37
8	The use of a carbon paste electrode mixed with multiwalled carbon nanotube/electroactive polyimide composites as an electrode for sensing ascorbic acid. <i>Polymer Chemistry</i> , 2014, 5, 630-637.	1.9	36
9	Flexible and Transparent Polyimide Films Containing Two-Dimensional Alumina Nanosheets Templated by Graphene Oxide for Improved Barrier Property. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 13098-13105.	4.0	31
10	Highly efficient and recyclable $\text{Fe}_3\text{C}/\text{Au}@ \text{NG}$ catalyst for 4-nitrophenol reduction. <i>Catalysis Communications</i> , 2021, 149, 106251.	1.6	24
11	Biomimetic Polyimide-Supported Cuprous Oxide Photocatalytic Film with Tunable Hydrophobicity, Improved Thermal Stability, and Photocatalytic Activity toward $\text{CO}_2$ Reduction. <i>ACS Omega</i> , 2019, 4, 1636-1644.	1.6	19
12	Morphology, dynamic mechanical properties, and gas separation of crosslinking silica-containing polyimide nanocomposite thin film. <i>Journal of Applied Polymer Science</i> , 2007, 106, 3185-3192.	1.3	18
13	Comparative studies on corrosion protection properties of polyimide-silica and polyimide-clay composite materials. <i>Journal of Applied Polymer Science</i> , 2011, 119, 548-557.	1.3	18
14	Transparent Polyimide Film with Improved Water and Oxygen Barrier Property by <i>In Situ</i> Exfoliating Graphite. <i>Advanced Engineering Materials</i> , 2016, 18, 582-590.	1.6	18
15	Enhancement of Dimensional Stability and Optical Transparency of Colorless Organo-Soluble Polyimide by Incorporation of Silica and Cosolvent. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2014, 63, 48-56.	1.8	17
16	Preparation of highly-stable and recyclable novel $\text{Au}/\text{ZrP}$ composite catalyst for 4-nitrophenol reduction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 525-531.	2.7	16
17	Properties of polyimide hybrids with mixed metal oxide. <i>Journal of Applied Polymer Science</i> , 2013, 127, 145-153.	1.3	15
18	Composition, thermal and tensile properties of polyurethane-urea-silica hybrids. <i>RSC Advances</i> , 2013, 3, 9729.	1.7	15

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19	Co-doping with polysquaraine enhances the holographic optical data storage of PMMA/PQ photopolymers. <i>Journal of Modern Optics</i> , 2011, 58, 1215-1219.	0.6	13
20	Thermal conductivity and morphology of silver-filled multiwalled carbon nanotubes/polyimide nanocomposite films. <i>Journal of Applied Polymer Science</i> , 2012, 126, E182.	1.3	13
21	Highly efficient oil-water separators based on dual superhydrophobic and superoleophilic properties of multiwall-carbon nanotube filtration films. <i>RSC Advances</i> , 2016, 6, 12431-12434.	1.7	12
22	Effect of silanes on the morphology, hydrophobicity, and dynamical mechanical properties of polyimide/silica hybrid membranes. <i>Journal of Applied Polymer Science</i> , 2011, 122, 648-656.	1.3	11
23	Properties and pervaporation separation of hydroxyl-terminated polybutadiene-based polyurethane/poly(methyl methacrylate) interpenetrating networks membranes. <i>Journal of Applied Polymer Science</i> , 2007, 106, 4277-4286.	1.3	10
24	A Novel Electroactive Imide Oligomer and Its Application in Anticorrosion Coating. <i>Polymers</i> , 2020, 12, 91.	2.0	10
25	Enhanced anticorrosion coatings prepared from incorporation of well-dispersed silica nanoparticles into fluorinated polyimide matrix. <i>Polymer Composites</i> , 2010, 31, 2025-2034.	2.3	8
26	Application of electroactive Au/aniline tetramer-graphene oxide composites as a highly efficient reusable catalyst. <i>RSC Advances</i> , 2021, 11, 71-77.	1.7	8
27	Synthesis and Characteristics of Multi-Walled Carbon Nanotubes-Polyimide Nanocomposite Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 2671-2675.	0.9	6
28	Morphology, thermal properties, hydrophobicity and O <sub>2</sub> /N <sub>2</sub> gas separation performance of 4,4'-oxydipthalic anhydride-based polyimide/titania hybrids. <i>Polymer International</i> , 2012, 61, 1136-1143.	1.6	6
29	Effect of TiO <sub>2</sub> on thermal and adhesive characteristics of poly(imide) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 342 Td	1.3	6
30	Preparation of highly stable and recyclable Au/electroactive polyamide composite catalyst for nitrophenol reduction. <i>Polymer</i> , 2021, 213, 123200.	1.8	6
31	Preparation and electrochemical sensor application of tetra aniline/graphene oxide/gold nanoparticle composites. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127110.	2.3	6
32	Synthesis and properties of hydrogen-bonded poly(amide-imide) hybrid films. <i>Journal of Applied Polymer Science</i> , 2007, 105, 3689-3697.	1.3	4
33	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
34	Holographic recording characteristics and physical mechanism of zinc methacrylate/nitroaniline-co-doped poly(methyl methacrylate)/9,10-phenanthrenequinone photopolymers. <i>Polymer Engineering and Science</i> , 2013, 53, 1297-1305.	1.5	0
35	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