

# Tsao-Cheng Huang

## List of Publications by Year in descending order

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27  
papers

1,524  
citations

430754

18  
h-index

526166

27  
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28  
all docs

28  
docs citations

28  
times ranked

1633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel anticorrosion coatings prepared from polyaniline/graphene composites. <i>Carbon</i> , 2012, 50, 5044-5051.	5.4	631
2	Advanced anticorrosive coatings prepared from electroactive epoxy-SiO <sub>2</sub> hybrid nanocomposite materials. <i>Electrochimica Acta</i> , 2011, 56, 6142-6149.	2.6	103
3	Advanced anticorrosive materials prepared from amine-capped aniline trimer-based electroactive polyimide-clay nanocomposite materials with synergistic effects of redox catalytic capability and gas barrier properties. <i>Polymer</i> , 2011, 52, 2391-2400.	1.8	88
4	Highly effective anti-corrosion epoxy spray coatings containing self-assembled clay in smectic order. <i>Journal of Materials Chemistry A</i> , 2015, 3, 2669-2676.	5.2	69
5	Synergistic effect of electroactivity and hydrophobicity on the anticorrosion property of room-temperature-cured epoxy coatings with multi-scale structures mimicking the surface of <i>Xanthosoma sagittifolium</i> leaf. <i>Journal of Materials Chemistry</i> , 2012, 22, 15845.	6.7	66
6	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
7	Electrochemical investigations of the anticorrosive and electrochromic properties of electroactive polyamide. <i>Electrochimica Acta</i> , 2012, 63, 185-191.	2.6	56
8	Electrochemical investigations on anticorrosive and electrochromic properties of electroactive polyurea. <i>Polymer Chemistry</i> , 2012, 3, 2209.	1.9	52
9	Advanced anti-corrosion coatings prepared from $\beta$ -zirconium phosphate/polyurethane nanocomposites. <i>RSC Advances</i> , 2017, 7, 9908-9913.	1.7	50
10	Advanced environmentally friendly coatings prepared from amine-capped aniline trimer-based waterborne electroactive polyurethane. <i>Materials Chemistry and Physics</i> , 2013, 137, 772-780.	2.0	39
11	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
12	Advanced superhydrophobic electroactive fluorinated polyimide and its application in anticorrosion coating. <i>International Journal of Green Energy</i> , 2017, 14, 113-120.	2.1	30
13	Aniline pentamer-based electroactive polyimide prepared from oxidation coupling polymerization for electrochemical sensing application. <i>Polymer</i> , 2012, 53, 4373-4379.	1.8	27
14	Synthesis electroactive polyurea with aniline-pentamer-based in the main chain and its application in electrochemical sensor. <i>Electrochimica Acta</i> , 2013, 94, 300-306.	2.6	25
15	Photoactively electroactive polyamide with azo group in the main chain via oxidative coupling polymerization. <i>Polymer Chemistry</i> , 2013, 4, 343-350.	1.9	23
16	Effect of photoisomerization on the electroactivity and electrochromic behavior of aniline pentamer-based polymers with azo chromophore as reversibly switchable pendant group. <i>Polymer</i> , 2012, 53, 4967-4976.	1.8	22
17	Synthesis of electroactive polyazomethine and its application in electrochromic property and electrochemical sensor. <i>Surface and Coatings Technology</i> , 2016, 303, 154-161.	2.2	22
18	Synthesis and electroactive properties of poly(amidoamine) dendrimers with an aniline pentamer shell. <i>Journal of Materials Chemistry</i> , 2011, 21, 4581.	6.7	18

#	ARTICLE	IF	CITATIONS
19	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
20	Self-assembly of Au nanoparticles on graphene sheets as a catalyst with controlled grafting density and high reusability. <i>RSC Advances</i> , 2014, 4, 61823-61830.	1.7	18
21	Spray-coated epoxy barrier films containing high aspect ratio functionalized graphene nanosheets. <i>RSC Advances</i> , 2015, 5, 102633-102642.	1.7	17
22	Preparation of highly-stable and recyclable novel Au/ZrP composite catalyst for 4-nitrophenol reduction. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019, 95, 525-531.	2.7	16
23	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
24	A novel Au/electroactive poly(amic acid) composite as an effective catalyst for <i>p</i> -nitrophenol reduction. <i>RSC Advances</i> , 2021, 11, 33990-33995.	1.7	8
25	Electroactive polyamide modified carbon paste electrode for the determination of ascorbic acid. <i>International Journal of Green Energy</i> , 2016, 13, 1334-1341.	2.1	7
26	A comparative study on the preparation and physical properties of environmental friendly PMMA-silica nano/sub-micron scale hybrid latexes controlled by chelating agent. <i>Polymer Composites</i> , 2011, 32, 1607-1616.	2.3	4
27	Highly Efficient and Recyclable Au/Aniline-Pentamer-Based Electroactive Polyurea Catalyst for the Reduction of 4-Nitrophenol. <i>Catalysis Letters</i> , 0, , 1.	1.4	1