

Yan-Cheng Wu

List of Publications by Year in descending order

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33
papers

583
citations

567281

15
h-index

642732

23
g-index

36
all docs

36
docs citations

36
times ranked

610
citing authors

#	ARTICLE	IF	CITATIONS
1	Colorimetric and ratiometric fluorescent sensor for F ⁺ based on benzimidazole-naphthalene conjugate: Reversible and reusable study & design of logic gate function. <i>Dyes and Pigments</i> , 2017, 140, 47-55.	3.7	45
2	Fluorinated polyimide with polyhedral oligomeric silsesquioxane aggregates: Toward low dielectric constant and high toughness. <i>Composites Science and Technology</i> , 2019, 181, 107700.	7.8	44
3	Novel benzimidazole-based ratiometric fluorescent probes for acidic pH. <i>Dyes and Pigments</i> , 2018, 149, 1-7.	3.7	37
4	Novel dual-functional fluorescent sensors based on bis(5,6-dimethylbenzimidazole) derivatives for distinguishing of Ag ⁺ and Fe ³⁺ in semi-aqueous medium. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 206, 632-641.	3.9	37
5	Design and application of tri-benzimidazolyl star-shape molecules as fluorescent chemosensors for the fast-response detection of fluoride ion. <i>Sensors and Actuators B: Chemical</i> , 2016, 237, 865-875.	7.8	36
6	Self-assembled structures of N-alkylated bisbenzimidazolyl naphthalene in aqueous media for highly sensitive detection of picric acid. <i>Analytica Chimica Acta</i> , 2017, 976, 74-83.	5.4	35
7	Synthesis and biological evaluation of 4-biphenylamino-5-halo-2(5H)-furanones as potential anticancer agents. <i>European Journal of Medicinal Chemistry</i> , 2017, 139, 84-94.	5.5	34
8	Palladium-Catalyzed Desulfative Arylation of 5-Alkoxy-3,4-dibromo-2(5H)-furanone with Sodium Arylsulfonates. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 1193-1197.	2.4	32
9	Sodium Butyrate Protects N2a Cells against A ⁺ Toxicity In Vitro. <i>Mediators of Inflammation</i> , 2020, 2020, 1-9.	3.0	26
10	Ratiometric and colorimetric sensors for highly sensitive detection of water in organic solvents based on hydroxyl-containing polyimide-fluoride complexes. <i>Analytica Chimica Acta</i> , 2020, 1108, 37-45.	5.4	25
11	A novel hydroxyl-containing polyimide as a colorimetric and ratiometric chemosensor for the reversible detection of fluoride ions. <i>Polymer Chemistry</i> , 2019, 10, 1399-1406.	3.9	24
12	A radical coupling reaction of DMSO with sodium arylsulfonates in air: mild utilization of DMSO as C ₁ resource for the synthesis of arylsulfonyl dibromomethane. <i>RSC Advances</i> , 2016, 6, 25651-25655.	3.6	23
13	Bis-2(5H)-furanone derivatives as new anticancer agents: Design, synthesis, biological evaluation, and mechanism studies. <i>Chemical Biology and Drug Design</i> , 2018, 92, 1232-1240.	3.2	19
14	Simultaneous improvement of processability and toughness of highly filled MH/LLDPE composites by using fluorine-containing flow modifiers. <i>Composites Part A: Applied Science and Manufacturing</i> , 2020, 134, 105900.	7.6	19
15	A highly selective, pH-tolerable and fast-response fluorescent probe for Fe ³⁺ based on star-shape benzothiazole derivative. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 350, 52-58.	3.9	18
16	Multifunctional polyimides by direct silyl ether reaction of pendant hydroxy groups: Toward low dielectric constant, high optical transparency and fluorescence. <i>European Polymer Journal</i> , 2020, 132, 109742.	5.4	16
17	Progress in the Synthesis and Application of Benzimidazole-Based Fluorescent Chemosensors. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 2465.	1.3	14
18	Design and Synthesis of AIE-Based Small-Molecule and Nanofibrous Film for Fluorescent Sensing Application. <i>Frontiers in Chemistry</i> , 2021, 9, 727631.	3.6	12

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19	Synthesis and properties of cardo-type polyimides containing hydroxyl groups for application in specific detection of fluoride ion. <i>Dyes and Pigments</i> , 2020, 173, 107924.	3.7	11
20	One-pot preparation of polylactic acid-ibuprofen conjugates and their performance characterization. <i>Polymer Chemistry</i> , 2017, 8, 7009-7016.	3.9	10
21	Microwave-assisted synthesis of high thermal stability and colourless polyimides containing pyridine. <i>Royal Society Open Science</i> , 2019, 6, 190196.	2.4	10
22	Facile synthesis of acyloxy-containing fluorene-based Cardo polyimides with high optical transparency, fluorescence and low dielectric constant. <i>Reactive and Functional Polymers</i> , 2021, 166, 104979.	4.1	9
23	Dielectric Constant, Thermal and Mechanical Properties of Ladder-Like Polypropylsilsesquioxane/Crown Ether-Polyimide Nanocomposites. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1900017.	2.2	8
24	Improvement in Mechanical and Thermal Properties of Transparent Semi-Aromatic Polyimide by Crosslinking. <i>Macromolecular Chemistry and Physics</i> , 2020, 221, 2000085.	2.2	7
25	Simultaneously Improving the Optical, Dielectric, and Solubility Properties of Fluorene-Based Polyimide with Silyl Ether Side Groups. <i>ACS Omega</i> , 2022, 7, 11939-11945.	3.5	7
26	Synthesis and characterization of a novel drug-loaded polymer, poly(lactic acid)-b-poly(ethylene glycol)-b-poly(lactic acid). <i>Journal of Applied Polymer Science</i> , 2016, 120, 4621-4628.	1.6	6
27	Direct Metal-Free Preparation of Functionalizable Polylactic Acid-Ethisterone Conjugates in a One-Pot Approach. <i>Macromolecular Chemistry and Physics</i> , 2019, 220, 1800475.	2.2	6
28	New Progress in the Design, Synthesis and Application of Fluorescent Probes for Fluoride Ion Detection. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 2559.	1.3	5
29	Progress in the Molecular Design and Synthesis of Organic Fluorescent Probe for Picric Acid Detection. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 2053.	1.3	4
30	One-Pot Synthesis of 5-Alkoxy-4-amino-3-halo-2(5H)-furanones Containing Benzimidazole Moiety in the Absence of Metal Catalyst. <i>Letters in Organic Chemistry</i> , 2015, 12, 359-370.	0.5	2
31	Synthesis of 2(5H)-Furanone Derivatives with Biphenyl Ether Unit. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 1081.	1.3	1
32	Facile fabrication of a fluorene-containing polyimide film-based fluorescent sensor for rapid and selective detection of fluoride ion. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 425, 113728.	3.9	1
33	Synthesis of 4-Amino-5-biphenyloxy-3-halo-2(5H)-furanones. <i>Chinese Journal of Organic Chemistry</i> , 2015, 35, 2420.	1.3	0