

Tan-Phat Huynh

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

43
papers

1,461
citations

20
h-index

38
g-index

46
ext. papers

1,715
ext. citations

9.7
avg, IF

5.35
L-index

#	Paper	IF	Citations
43	Luciferin-based fluorescent hydrogel as a pH sensor. <i>MRS Communications</i> , 2022 , 12, 90	2.7	0
42	Synthesis, characterization, and humidity-responsiveness of guar gum xanthate and its nanocomposite with copper sulfide covellite.. <i>International Journal of Biological Macromolecules</i> , 2022 , 206, 105-114	7.9	1
41	Design and simulation of a photocatalysis reactor for rhodamine B degradation using cobalt-doped ZnO film. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021 , 134, 1017-1038	1.6	9
40	Synthesis, characterization and biocompatibility of guar gum-benzoic acid. <i>International Journal of Biological Macromolecules</i> , 2021 , 194, 110-116	7.9	2
39	Real-time humidity sensing by integration of copper sulfide nanocomposite with low-cost and wireless Arduino platform. <i>Sensors and Actuators A: Physical</i> , 2021 , 319, 112541	3.9	4
38	Bandgap optimization of sol-gel-derived TiO ₂ and its effect on the photodegradation of formic acid. <i>Nano Futures</i> , 2021 , 5, 025004	3.6	6
37	Organic Design of Biomorphic Superstructures. <i>ChemSystemsChem</i> , 2021 , 3, e2000031	3.1	1
36	(Calcium-Phosphate)/Carrageenan Gardens Grown from the Gel/Liquid Interface. <i>ChemSystemsChem</i> , 2021 , 3, e2000064	3.1	5
35	CuS-Carrageenan Composite Grown from the Gel/Liquid Interface. <i>ChemSystemsChem</i> , 2021 , 3, e2000063	3.1	6
34	Chemical and biological sensing with nanocomposites prepared from nanostructured copper sulfides. <i>Nano Futures</i> , 2020 , 4, 032001	3.6	7
33	Colorimetric Hydrogel from Natural Indicators: A Tool for Electrochemistry Education. <i>Journal of Chemical Education</i> , 2020 , 97, 3702-3706	2.4	4
32	Molecularly imprinted conducting polymer for determination of a condensed lignin marker. <i>Sensors and Actuators B: Chemical</i> , 2019 , 295, 186-193	8.5	8
31	Self-Healing Materials for Analyte Sensing 2019 , 325-339		3
30	Time-space-resolved origami hierarchical electronics for ultrasensitive detection of physical and chemical stimuli. <i>Nature Communications</i> , 2019 , 10, 1120	17.4	32
29	Self-Healable Materials for Underwater Applications. <i>Advanced Materials Technologies</i> , 2019 , 4, 19000816	16.8	21
28	Learning from an Intelligent Mechanosensing System of Plants. <i>Advanced Materials Technologies</i> , 2019 , 4, 1800464	6.8	9
27	Organic Transistor Based on Cyclopentadithiophene-Benzothiadiazole Donor-Acceptor Copolymer for the Detection and Discrimination between Multiple Structural Isomers. <i>Advanced Functional Materials</i> , 2019 , 29, 1808188	15.6	12

26	A Freestanding Stretchable and Multifunctional Transistor with Intrinsic Self-Healing Properties of all Device Components. <i>Small</i> , 2019 , 15, e1803939	11	31
25	Precipitation of Inorganic Phases through a Photoinduced pH Jump: From Vaterite Spheroids and Shells to ZnO Flakes and Hexagonal Plates. <i>Crystal Growth and Design</i> , 2018 , 18, 1951-1955	3.5	6
24	Autonomous Flexible Sensors for Health Monitoring. <i>Advanced Materials</i> , 2018 , 30, e1802337	24	101
23	CHAPTER 2:Synthetic Chemistry for Molecular Imprinting. <i>RSC Polymer Chemistry Series</i> , 2018 , 28-64	1.3	1
22	The Combination of Hydrogen and Methanol Production through Artificial Photosynthesis-Are We Ready Yet?. <i>ChemSusChem</i> , 2018 , 11, 2654-2672	8.3	6
21	Programmed Transfer of Sequence Information into a Molecularly Imprinted Polymer for Hexakis(2,2'bibithien-5-yl) DNA Analogue Formation toward Single-Nucleotide-Polymorphism Detection. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3948-3958	9.5	20
20	Advanced Materials for Use in Soft Self-Healing Devices. <i>Advanced Materials</i> , 2017 , 29, 1604973	24	265
19	Free-Standing and Eco-Friendly Polyaniline Thin Films for Multifunctional Sensing of Physical and Chemical Stimuli. <i>Advanced Functional Materials</i> , 2017 , 27, 1703147	15.6	32
18	Composites of Polymer and Carbon Nanostructures for Self-Healing Chemical Sensors. <i>Advanced Materials Technologies</i> , 2016 , 1, 1600187	6.8	30
17	A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers. <i>Advanced Materials</i> , 2016 , 28, 4012-8	24	112
16	Self-Healable Sensors Based Nanoparticles for Detecting Physiological Markers via Skin and Breath: Toward Disease Prevention via Wearable Devices. <i>Nano Letters</i> , 2016 , 16, 4194-202	11.5	113
15	Self-Healing, Fully Functional, and Multiparametric Flexible Sensing Platform. <i>Advanced Materials</i> , 2016 , 28, 138-43	24	160
14	An electropolymerized molecularly imprinted polymer for selective carnosine sensing with impedimetric capacity. <i>Journal of Materials Chemistry B</i> , 2016 , 4, 1156-1165	7.3	16
13	Sensors: A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers (Adv. Mater. 21/2016). <i>Advanced Materials</i> , 2016 , 28, 4163	24	
12	Chemosensor for Selective Determination of 2,4,6-Trinitrophenol Using a Custom Designed Imprinted Polymer Recognition Unit Cross-Linked to a Fluorophore Transducer. <i>ACS Sensors</i> , 2016 , 1, 636-639	9.2	29
11	Cytosine derivatized bis(2,2'bibithienyl)methane molecularly imprinted polymer for selective recognition of 6-thioguanine, an antitumor drug. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 153-60	11.8	33
10	Molecularly imprinted polymers as recognition materials for electronic tongues. <i>Biosensors and Bioelectronics</i> , 2015 , 74, 856-64	11.8	48
9	Functionalized polythiophenes: Recognition materials for chemosensors and biosensors of superior sensitivity, selectivity, and detectability. <i>Progress in Polymer Science</i> , 2015 , 47, 1-25	29.6	102

8	Nicotine molecularly imprinted polymer: synergy of coordination and hydrogen bonding. <i>Biosensors and Bioelectronics</i> , 2015 , 64, 657-63	11.8	25
7	Fullerene derived molecularly imprinted polymer for chemosensing of adenosine-5-triphosphate (ATP). <i>Analytica Chimica Acta</i> , 2014 , 844, 61-9	6.6	27
6	Molecularly imprinted polymer of bis(2,2,6,6-tetramethylpiperidin-1-yl)methanes for selective determination of adrenaline. <i>Bioelectrochemistry</i> , 2013 , 93, 37-45	5.6	40
5	Molecularly imprinted polymer for recognition of 5-fluorouracil by RNA-type nucleobase pairing. <i>Analytical Chemistry</i> , 2013 , 85, 8304-12	7.8	48
4	Simultaneous chronoamperometry and piezoelectric microgravimetry determination of nitroaromatic explosives using molecularly imprinted thiophene polymers. <i>Analytical Chemistry</i> , 2013 , 85, 8361-8	7.8	44
3	Electrochemically synthesized molecularly imprinted polymer of thiophene derivatives for flow-injection analysis determination of adenosine-5-triphosphate (ATP). <i>Biosensors and Bioelectronics</i> , 2013 , 41, 634-41	11.8	35
2	Enhanced charge transfer of liquid and gel electrolytes using nano platinum in dye-sensitized solar cells 2013 ,		1
1	Preparation of TiO ₂ thin film using modified doctor-blade method for improvement of dye-sensitized solar cell 2009 ,		4