

# Tan-Phat Huynh

## List of Publications by Citations

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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	Advanced Materials for Use in Soft Self-Healing Devices. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604973	24	265
42	Self-Healing, Fully Functional, and Multiparametric Flexible Sensing Platform. <i>Advanced Materials</i> , <b>2016</b> , 28, 138-43	24	160
41	Self-Healable Sensors Based Nanoparticles for Detecting Physiological Markers via Skin and Breath: Toward Disease Prevention via Wearable Devices. <i>Nano Letters</i> , <b>2016</b> , 16, 4194-202	11.5	113
40	A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers. <i>Advanced Materials</i> , <b>2016</b> , 28, 4012-8	24	112
39	Functionalized polythiophenes: Recognition materials for chemosensors and biosensors of superior sensitivity, selectivity, and detectability. <i>Progress in Polymer Science</i> , <b>2015</b> , 47, 1-25	29.6	102
38	Autonomous Flexible Sensors for Health Monitoring. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802337	24	101
37	Molecularly imprinted polymers as recognition materials for electronic tongues. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 74, 856-64	11.8	48
36	Molecularly imprinted polymer for recognition of 5-fluorouracil by RNA-type nucleobase pairing. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8304-12	7.8	48
35	Simultaneous chronoamperometry and piezoelectric microgravimetry determination of nitroaromatic explosives using molecularly imprinted thiophene polymers. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 8361-8	7.8	44
34	Molecularly imprinted polymer of bis(2,2'-(bithienyl)methanes for selective determination of adrenaline. <i>Bioelectrochemistry</i> , <b>2013</b> , 93, 37-45	5.6	40
33	Electrochemically synthesized molecularly imprinted polymer of thiophene derivatives for flow-injection analysis determination of adenosine-5'-triphosphate (ATP). <i>Biosensors and Bioelectronics</i> , <b>2013</b> , 41, 634-41	11.8	35
32	Cytosine derivatized bis(2,2'-(bithienyl)methane molecularly imprinted polymer for selective recognition of 6-thioguanine, an antitumor drug. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 70, 153-60	11.8	33
31	Time-space-resolved origami hierarchical electronics for ultrasensitive detection of physical and chemical stimuli. <i>Nature Communications</i> , <b>2019</b> , 10, 1120	17.4	32
30	Free-Standing and Eco-Friendly Polyaniline Thin Films for Multifunctional Sensing of Physical and Chemical Stimuli. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1703147	15.6	32
29	A Freestanding Stretchable and Multifunctional Transistor with Intrinsic Self-Healing Properties of all Device Components. <i>Small</i> , <b>2019</b> , 15, e1803939	11	31
28	Composites of Polymer and Carbon Nanostructures for Self-Healing Chemical Sensors. <i>Advanced Materials Technologies</i> , <b>2016</b> , 1, 1600187	6.8	30
27	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> , <b>2016</b> , 1, 636-639	9.2	29

26	Fullerene derived molecularly imprinted polymer for chemosensing of adenosine-5Utriphosphate (ATP). <i>Analytica Chimica Acta</i> , <b>2014</b> , 844, 61-9	6.6	27
25	Nicotine molecularly imprinted polymer: synergy of coordination and hydrogen bonding. <i>Biosensors and Bioelectronics</i> , <b>2015</b> , 64, 657-63	11.8	25
24	Self-Healable Materials for Underwater Applications. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 19000816.8		21
23	Programmed Transfer of Sequence Information into a Molecularly Imprinted Polymer for Hexakis(2,2Ubiithien-5-yl) DNA Analogue Formation toward Single-Nucleotide-Polymorphism Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 3948-3958	9.5	20
22	An electropolymerized molecularly imprinted polymer for selective carnosine sensing with impedimetric capacity. <i>Journal of Materials Chemistry B</i> , <b>2016</b> , 4, 1156-1165	7.3	16
21	Organic Transistor Based on Cyclopentadithiophene-Benzothiadiazole Donor/Acceptor Copolymer for the Detection and Discrimination between Multiple Structural Isomers. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1808188	15.6	12
20	Design and simulation of a photocatalysis reactor for rhodamine B degradation using cobalt-doped ZnO film. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2021</b> , 134, 1017-1038	1.6	9
19	Learning from an Intelligent Mechanosensing System of Plants. <i>Advanced Materials Technologies</i> , <b>2019</b> , 4, 1800464	6.8	9
18	Molecularly imprinted conducting polymer for determination of a condensed lignin marker. <i>Sensors and Actuators B: Chemical</i> , <b>2019</b> , 295, 186-193	8.5	8
17	Chemical and biological sensing with nanocomposites prepared from nanostructured copper sulfides. <i>Nano Futures</i> , <b>2020</b> , 4, 032001	3.6	7
16	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> , <b>2018</b> , 18, 1951-1955	3.5	6
15	Bandgap optimization of sol-gel-derived TiO <sub>2</sub> and its effect on the photodegradation of formic acid. <i>Nano Futures</i> , <b>2021</b> , 5, 025004	3.6	6
14	CuS-Carrageenan Composite Grown from the Gel/Liquid Interface. <i>ChemSystemsChem</i> , <b>2021</b> , 3, e2000063.1		6
13	The Combination of Hydrogen and Methanol Production through Artificial Photosynthesis-Are We Ready Yet?. <i>ChemSusChem</i> , <b>2018</b> , 11, 2654-2672	8.3	6
12	(Calcium-Phosphate)/Carrageenan Gardens Grown from the Gel/Liquid Interface. <i>ChemSystemsChem</i> , <b>2021</b> , 3, e2000064	3.1	5
11	Preparation of TiO <sub>2</sub> thin film using modified doctor-blade method for improvement of dye-sensitized solar cell <b>2009</b> ,		4
10	Colorimetric Hydrogel from Natural Indicators: A Tool for Electrochemistry Education. <i>Journal of Chemical Education</i> , <b>2020</b> , 97, 3702-3706	2.4	4
9	Real-time humidity sensing by integration of copper sulfide nanocomposite with low-cost and wireless Arduino platform. <i>Sensors and Actuators A: Physical</i> , <b>2021</b> , 319, 112541	3.9	4

8	Self-Healing Materials for Analyte Sensing <b>2019</b> , 325-339		3
7	Synthesis, characterization and biocompatibility of guar gum-benzoic acid. <i>International Journal of Biological Macromolecules</i> , <b>2021</b> , 194, 110-116	7.9	2
6	Enhanced charge transfer of liquid and gel electrolytes using nano platinum in dye-sensitized solar cells <b>2013</b> ,		1
5	CHAPTER 2:Synthetic Chemistry for Molecular Imprinting. <i>RSC Polymer Chemistry Series</i> , <b>2018</b> , 28-64	1.3	1
4	Organic Design of Biomorphic Superstructures. <i>ChemSystemsChem</i> , <b>2021</b> , 3, e2000031	3.1	1
3	Synthesis, characterization, and humidity-responsiveness of guar gum xanthate and its nanocomposite with copper sulfide covellite.. <i>International Journal of Biological Macromolecules</i> , <b>2022</b> , 206, 105-114	7.9	1
2	Luciferin-based fluorescent hydrogel as a pH sensor. <i>MRS Communications</i> , <b>2022</b> , 12, 90	2.7	0
1	Sensors: A Highly Sensitive Diketopyrrolopyrrole-Based Ambipolar Transistor for Selective Detection and Discrimination of Xylene Isomers (Adv. Mater. 21/2016). <i>Advanced Materials</i> , <b>2016</b> , 28, 4163	24	