

Phang Sook-Wai

List of Publications by Year in descending order

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48
papers

1,019
citations

516710

16
h-index

434195

31
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49
all docs

49
docs citations

49
times ranked

1122
citing authors

#	ARTICLE	IF	CITATIONS
1	Microwave absorption behaviors of polyaniline nanocomposites containing TiO ₂ nanoparticles. <i>Current Applied Physics</i> , 2008, 8, 391-394.	2.4	147
2	Synthesis, characterization and microwave absorption property of doped polyaniline nanocomposites containing TiO ₂ nanoparticles and carbon nanotubes. <i>Synthetic Metals</i> , 2008, 158, 251-258.	3.9	123
3	Applications of polyaniline doubly doped with p-toluene sulphonic acid and dichloroacetic acid as microwave absorbing and shielding materials. <i>Materials Chemistry and Physics</i> , 2007, 104, 327-335.	4.0	101
4	Tapered plastic multimode fiber sensor for salinity detection. <i>Sensors and Actuators A: Physical</i> , 2011, 171, 219-222.	4.1	79
5	Effect of Fe ₃ O ₄ and TiO ₂ addition on the microwave absorption property of polyaniline micro/nanocomposites. <i>Polymers for Advanced Technologies</i> , 2009, 20, 550-557.	3.2	68
6	Poly(4,4'-diphenylene diphenylvinylene) as a non-magnetic microwave absorbing conjugated polymer. <i>Thin Solid Films</i> , 2005, 477, 125-130.	1.8	45
7	Conducting polymer coated optical microfiber sensor for alcohol detection. <i>Sensors and Actuators A: Physical</i> , 2014, 205, 58-62.	4.1	45
8	Synthesis of Polyaniline-TiO ₂ Nanocomposites and Their Application in Photocatalytic Degradation. <i>Polymers and Polymer Composites</i> , 2017, 25, 507-514.	1.9	43
9	Polyaniline (PAni) optical sensor in chloroform detection. <i>Sensors and Actuators B: Chemical</i> , 2018, 261, 97-105.	7.8	40
10	Microwave absorption property of polyaniline nanocomposites containing TiO ₂ and Fe ₃ O ₄ nanoparticles after FeCl ₃ H ₂ O treatment. <i>Polymer Composites</i> , 2010, 31, 516-523.	4.6	30
11	Improvement of microwave absorption for PAni/HA/TiO ₂ /Fe ₃ O ₄ nanocomposite after chemical treatment. <i>Polymer Composites</i> , 2013, 34, 1186-1194.	4.6	26
12	Effects of synthesised polyaniline (PAni) contents on the anti-static properties of PAni-based polylactic acid (PLA) films. <i>RSC Advances</i> , 2020, 10, 39693-39699.	3.6	24
13	Synthesis of Water-soluble Polyaniline by Using Different Types of Cellulose Derivatives. <i>Polymers and Polymer Composites</i> , 2017, 25, 515-520.	1.9	22
14	Effect of dopant concentration on polyaniline for hydrazine detection. <i>Materials Science in Semiconductor Processing</i> , 2015, 33, 24-31.	4.0	21
15	Microwave properties of poly(4,4'-diphenylene diphenylvinylene). <i>Polymer Testing</i> , 2004, 23, 275-279.	4.8	20
16	Electrically conductive palm oil-based coating with UV curing ability. <i>Progress in Organic Coatings</i> , 2017, 112, 9-17.	3.9	20
17	Preparation of polyaniline/TiO ₂ nanocomposite film with good adhesion behavior for dye-sensitized solar cell application. <i>Polymer Composites</i> , 2013, 34, 1884-1891.	4.6	16
18	Enhancement of polyaniline properties by different polymerization temperatures in hydrazine detection. <i>Journal of Applied Polymer Science</i> , 2015, 132, .	2.6	15

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19	Effects of the Dopant Ratio on Polyaniline Coated Fiber Bragg Grating for pH detection. Synthetic Metals, 2016, 211, 132-141.	3.9	11
20	Development of water-based polyaniline sensor for hydrazine detection. Sensors and Actuators A: Physical, 2021, 317, 112460.	4.1	11
21	Starch/Polyaniline Biopolymer Film as Potential Intelligent Food Packaging with Colourimetric Ammonia Sensor. Polymers, 2022, 14, 1122.	4.5	11
22	Highly Visible Light Active Ternary Polyaniline-TiO ₂ -Fe ₃ O ₄ Nanotube/Nanorod for Photodegradation of Reactive Black 5 Dyes. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2168-2181.	3.7	10
23	A Polyaniline-Coated Integrated Microfiber Resonator for UV Detection. IEEE Sensors Journal, 2013, 13, 2020-2025.	4.7	9
24	Development and Investigation of Polyaniline Micro/nanocomposites that Possess Moderate Conductivity, Dielectric and Magnetic Properties. Polymer Journal, 2008, 40, 25-32.	2.7	8
25	Morphology studies of doped polyaniline micro/nanocomposites containing TiO ₂ nanoparticles and Fe ₃ O ₄ microparticles. Polymer Composites, 2009, 30, 970-975.	4.6	6
26	Morphology, Conductivity and Microwave Absorption Behavior of Polyaniline Nanocomposites after Chemical Treatment. Polymers and Polymer Composites, 2017, 25, 545-554.	1.9	6
27	Effect of microwave absorption study on polyaniline nanocomposites with untreated and treated double wall carbon nanotubes. Polymer Composites, 2018, 39, 1283-1291.	4.6	6
28	Development of grafted rubber/polyaniline/carboxymethyl cellulose film as green conductive polymer film. Polymer Bulletin, 2022, 79, 3829-3846.	3.3	6
29	Fiber optic chemical sensor using fiber coupler probe based on intensity modulation for alcohol detection. Microwave and Optical Technology Letters, 2011, 53, 1935-1938.	1.4	5
30	Effect of Titanium Dioxide and Carbon Nanotubes on Polyaniline Nanocomposites for Heavy Metals Removal. Macromolecular Symposia, 2018, 382, 1800087.	0.7	5
31	Effect of functional groups in the PAni-cellulose derivatives-based sensor in hydrazine detection. Polymer Bulletin, 0, , 1.	3.3	5
32	Crazing Effect on the Bio-Based Conducting Polymer Film. Polymers, 2021, 13, 3425.	4.5	5
33	Fabrication and characterization of a dual layer multiple refractive index benzocyclobutene polymer platform for integrated optical devices. Optical Materials, 2012, 34, 1735-1741.	3.6	4
34	Application of a Palm Oil-Based Alkyd for the Improvement of Polyaniline Properties. Polymers and Polymer Composites, 2017, 25, 537-544.	1.9	4
35	Effect of Polymerization Temperatures on Polyaniline Coated Fiber Bragg Grating Sensor for Chloroform Detection. Macromolecular Symposia, 2018, 382, 1800088.	0.7	4
36	Application of Fiber Bragg Grating Sensor coated with Polyaniline as an optical Sensor for chloroform detection. Polymers and Polymer Composites, 2017, 25, 555-562.	1.9	3

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37	Microwave Absorption Properties of Polyaniline/Titanium Dioxide (PAni/TiO ₂) Doped with Different Types of Fullerenes. <i>Macromolecular Symposia</i> , 2018, 382, 1800089.	0.7	3
38	Adhesion improvement of polyaniline counter electrode in dye-sensitized solar cell using bio-based alkyd. <i>Applied Physics A: Materials Science and Processing</i> , 2021, 127, 1.	2.3	3
39	Effect of Acid Dopants Toward Polyaniline Based Optical Sensor for Lead Detection. <i>Polymer Science - Series A</i> , 2021, 63, 485-492.	1.0	3
40	Molecular conformation and UV-visible absorption spectrum of emeraldine salt polyaniline as a hydrazine sensor. <i>Integrated Ferroelectrics</i> , 2016, 175, 202-210.	0.7	2
41	CHEMICAL SENSOR FOR HYDRAZINE DETECTION USING POLYANILINE THIN FILM. <i>Malaysian Journal of Analytical Sciences</i> , 2017, 21, .	0.1	2
42	Microwave absorption properties of polyaniline (PAni) with various amount of carbonaceous material (CM). <i>Polymer Bulletin</i> , 2020, 78, 6351.	3.3	1
43	Chemical treatment of grafted rubber-based conductive polymer film for homogeneity improvement. <i>Journal of Applied Polymer Science</i> , 2021, 138, 51455.	2.6	1
44	Synthesis, Characterization, Effect of Triaryl Ring Substituents Groups on Thermal and Spectral Properties of New Soluble Triphenylamine-Based Aromatic Polyamides. <i>Asian Journal of Chemistry</i> , 2014, 26, 85-92.	0.3	0
45	Synthesis of Spectral, Thermal and Electrochemical Properties of New Thermally Stable; Blue Light Emitting Materials Based Aromatic Polyamide. <i>Asian Journal of Chemistry</i> , 2014, 26, 3854-3862.	0.3	0
46	Microwave Absorption Study of Polyaniline Nanocomposites with Different Dimension of Multiwalled Carbon Nanotubes. <i>Materials Science Forum</i> , 2016, 846, 465-470.	0.3	0
47	Effect of Carbon Nanotubes' Dimension on Microwave Absorption Property of Polyaniline Nanocomposites. <i>Polymers and Polymer Composites</i> , 2017, 25, 527-536.	1.9	0
48	Effect of Titanium Dioxide on Adhesion and Conductivity Behavior of Polyaniline/Alkyd Composite for Solar Cell Application. <i>Macromolecular Symposia</i> , 2018, 382, 1800100.	0.7	0