

# Irwana Nainggolan

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2497464/publications.pdf>

Version: 2024-02-01

23  
papers

196  
citations

1478505

6  
h-index

1199594

12  
g-index

23  
all docs

23  
docs citations

23  
times ranked

237  
citing authors

#	ARTICLE	IF	CITATIONS
1	The sensing mechanism and detection of low concentration acetone using chitosan-based sensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 177, 522-528.	7.8	111
2	Hexanal Gas Detection Using Chitosan Biopolymer as Sensing Material at Room Temperature. <i>Journal of Sensors</i> , 2016, 2016, 1-7.	1.1	13
3	Ammonia Gas Sensor Based on Chitosan Biopolymer. <i>Materials Science Forum</i> , 0, 819, 429-434.	0.3	11
4	Chloroform Gas Sensor Based on Chitosan Biopolymer. <i>Applied Mechanics and Materials</i> , 0, 679, 45-49.	0.2	10
5	The effect of the head group on branched-alkyl chain surfactants in glycolipid/n-octane/water ternary system. <i>Colloids and Surfaces B: Biointerfaces</i> , 2009, 73, 84-91.	5.0	8
6	Role of Metals Content in Spinach in Enhancing the Conductivity and Optical Band Gap of Chitosan Films. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-8.	1.8	8
7	Ethanol Purification Using Active Natural Pahae Zeolite By Adsorption Distillation Method. <i>Journal of Physics: Conference Series</i> , 2018, 1116, 032037.	0.4	7
8	Preparation sodium silicate from rice husk to synthesize silica nanoparticles by sol-gel method for adsorption water in analysis of methamphetamine. <i>South African Journal of Chemical Engineering</i> , 2022, 40, 80-86.	2.4	7
9	Energy harvesting properties of chitosan film in harvesting water vapour into electrical energy. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 16275-16286.	2.2	5
10	New Application of Chitosan Film as a Water Vapor Cell. <i>Key Engineering Materials</i> , 0, 744, 339-345.	0.4	4
11	Highly Response and Sensitivity Chitosan-Polyvinyl alcohol Based Hexanal Sensors. <i>MATEC Web of Conferences</i> , 2016, 78, 01072.	0.2	3
12	The Effects of Branched-Tail Structure of Surfactant on the Phase Behaviour of Alkylglucoside/Water/n-Octane Ternary System. <i>Applied Mechanics and Materials</i> , 2015, 754-755, 944-949.	0.2	2
13	Effect Band Gap of Chitosan Film in Converting Water Vapour Into Electrical Current. <i>Materials Science Forum</i> , 0, 1010, 445-452.	0.3	2
14	The Influence of MMA Esterification on Interfacial Adhesion and Mechanical Properties of Hybrid Kenaf Bast/Glass Fiber Reinforced Unsaturated Polyester Composites. <i>Materials</i> , 2021, 14, 2276.	2.9	2
15	Highly Response and Sensitive Copper Sensors Based on Chitosan Films. <i>Advanced Materials Research</i> , 2015, 1125, 255-259.	0.3	1
16	THE PHYSIOCHEMICAL AND ANTIBACTERIAL PROPERTIES OF GALACTOMANNAN EDIBLE FILM OF ARENGA PINNATA INCORPORATED WITH ZINGIBER OFFICINALE ESSENTIAL OIL. <i>Asian Journal of Pharmaceutical and Clinical Research</i> , 2018, 11, 138.	0.3	1
17	Improved Electrical Power of Chitosan Film in Converting Water Vapour to Electrical Power by Adding Lithium Chloride. <i>Advanced Science Letters</i> , 2018, 24, 9017-9021.	0.2	1
18	Chitosan Film Sensor (CFS) for Detecting Fertilizer Concentration of Grape Tree. <i>Applied Mechanics and Materials</i> , 0, 679, 137-144.	0.2	0

#	ARTICLE	IF	CITATIONS
19	Roselle Blend Film Sensor (RBFS) for Detecting Fertilizer Concentration of Grape Tree. Applied Mechanics and Materials, 0, 754-755, 606-611.	0.2	0
20	Fabrication of Chitosan-Polyethylene Oxide Polymeric Thin Film Using Electrochemical Deposition for Detection of Volatile Organic Compounds. Key Engineering Materials, 0, 744, 359-363.	0.4	0
21	The effect of Acetic Acid Ratio in The Electrodeposition Process of Chitosan/ZnO. Journal of Physics: Conference Series, 2019, 1232, 012011.	0.4	0
22	Improvement on Alcohol Breath-Analyzer Ethanol Biosensor based on Roselle-Chitosan Blend. International Journal of Electrical and Computer Engineering, 2017, 7, 1154.	0.7	0
23	Thermal Properties of Chitosan-roselle Films. , 2019, , .		0