Jose Isagani B Janairo

List of Publications by Year
in descending order

51 papers	**339** citations	1040056 **9** h-index	1058476 **14** g-index
51 all docs	**51** docs citations	**51** times ranked	**351** citing authors

#	Article	IF	Citations
1	Metal-dependent Ser/Thr protein phosphatase PPM family: Evolution, structures, diseases and inhibitors. , 2020, 215, 107622.		59
2	A stochastic fuzzy multi-criteria decision-making model for optimal selection of clean technologies. Journal of Cleaner Production, 2018, 183, 1289-1299.	9.3	33
3	Effects of biomineralization peptide topology on the structure and catalytic activity of Pd nanomaterials. Chemical Communications, 2014, 50, 9259-9262.	4.1	23
4	Prediction of CO2 storage site integrity with rough set-based machine learning. Clean Technologies and Environmental Policy, 2019, 21, 1655-1664.	4.1	19
5	Unsustainable plastic consumption associated with online food delivery services in the new normal. Cleaner and Responsible Consumption, 2021, 2, 100014.	3.0	19
6	Oligomerization enhances the binding affinity of a silver biomineralization peptide and catalyzes nanostructure formation. Scientific Reports, 2017, 7, 1400.	3.3	14
7	Design of fragrant molecules through the incorporation of rough sets into computer-aided molecular design. Molecular Systems Design and Engineering, 2020, 5, 1391-1416.	3.4	14
8	A machine learning regression model for the screening and design of potential SARS-CoV-2 protease inhibitors. Network Modeling Analysis in Health Informatics and Bioinformatics, 2021, 10, 51.	2.1	14
9	Physicochemical properties and *in vitro* digestibility of flours and starches from taro cultivated in different regions of Thailand. International Journal of Food Science and Technology, 2021, 56, 2395-2406.	2.7	12
10	Synergic Strategies for the Enhanced Self-Assembly of Biomineralization Peptides for the Synthesis of Functional Nanomaterials. Protein and Peptide Letters, 2018, 25, 4-14.	0.9	10
11	Nanocrystalline Titania Coated Metakaolin and Rice Hull Ash Based Geopolymer Spheres for Photocatalytic Degradation of Dyes in Wastewater. Oriental Journal of Chemistry, 2019, 35, 167-172.	0.3	10
12	A hyperbox classifier model for identifying secure carbon dioxide reservoirs. Journal of Cleaner Production, 2020, 272, 122181.	9.3	10
13	Effects of Buffer on the Structure and Catalytic Activity of Palladium Nanomaterials Formed by Biomineralization. Chemistry Letters, 2014, 43, 1315-1317.	1.3	9
14	Predictive Analytics for Biomineralization Peptide Binding Affinity. BioNanoScience, 2019, 9, 74-78.	3.5	9
15	Enhanced Hyperbox Classifier Model for Nanomaterial Discovery. AI, 2020, 1, 299-311.	3.8	8
16	Wetting Properties and Foliar Water Uptake of Tillandsia L.. Biotribology, 2019, 19, 100103.	1.9	7
17	Peptide-Mediated Biomineralization. SpringerBriefs in Materials, 2016, , .	0.3	6
18	Screening of Silver-Tolerant Bacteria from a Major Philippine Landfill as Potential Bioremediation Agents. Ecological Chemistry and Engineering S, 2018, 25, 469-485.	1.5	6

#	Article	IF	Citations
19	Design of mosquito repellent molecules via the integration of hyperbox machine learning and computer aided molecular design. Digital Chemical Engineering, 2022, 3, 100018.	2.2	6
20	Development of nanosilver-coated geopolymer beads (AgGP) from fly ash and baluko shells for antimicrobial applications. MATEC Web of Conferences, 2019, 268, 05003.	0.2	5
21	Coal Fly Ash-based Geopolymer Spheres Coated with Amoxicillin and Nanosilver for Potential Antibacterial Applications. ASEAN Journal of Chemical Engineering, 2019, 19, 25.	0.5	5
22	A Machine Learning Classification Model for Gold-Binding Peptides. ACS Omega, 2022, 7, 14069-14073.	3.5	5
23	Optimization of oxalate-free starch production from Taro flour by oxalate oxidase assisted process. Preparative Biochemistry and Biotechnology, 2021, 51, 105-111.	1.9	4
24	Soil-transmitted helminth egg contamination from soil of indigenous communities in selected barangays in Tigaon, Camarines Sur, Philippines. Asian Pacific Journal of Tropical Medicine, 2020, 13, 409.	0.8	4
25	Occurrence of Near – Petal Effect on the Leaf Surface of Annona squamosa. BioNanoScience, 2016, 6, 272-275.	3.5	3
26	Differentiation of Rubber Cup Coagulum Through Machine Learning. Scientia Agriculturae Bohemica, 2019, 50, 51-55.	0.3	3
27	Reviving a scientific journal: challenges and strategies. Science Editing, 2018, 5, 59-61.	0.8	3
28	Sequence-dependent cluster analysis of biomineralization peptides. Zeitschrift Fur Naturforschung - Section C Journal of Biosciences, 2015, 70, 191-195.	1.4	2
29	A Screening Algorithm for Gastric Cancer-Binding Peptides. International Journal of Peptide Research and Therapeutics, 2020, 26, 667-674.	1.9	2
30	Physical Characterization of Latex from *Artocarpus heterophyllus* Lam. (Jackfruit) and Four Related *Artocarpus* spp.. Key Engineering Materials, 2020, 833, 107-117.	0.4	2
31	Machine Learning for the Cleaner Production of Antioxidant Peptides. International Journal of Peptide Research and Therapeutics, 2021, 27, 2051-2056.	1.9	2
32	Effect of Aspidiotus rigidus infestation on the volatile chemical profile of the host plant Garcinia mangostana. Hellenic Plant Protection Journal, 2018, 11, 1-8.	0.4	2
33	Semi-Empirical Predictions on the Structure and Properties ofent-Kaurenoic Acid and Derivatives. E-Journal of Chemistry, 2011, 8, 703-710.	0.5	1
34	Surface morphological and wetting characterization of the hydrophobic and superhydrophobic leaves of Pistia stratiotes L., Salvinia molesta D.Mitch., Ananas comosus (L.) Merr. and Dyckia platyphylla L.B. Smith for bioinspired oil adsorbent materials. IOP Conference Series: Materials Science and Engineering, 2019, 479, 012003.	0.6	1
35	Estimating the Effectiveness of Gold and Iron Oxide Nanoparticles for Hepatocellular Carcinoma Ablation Therapy: a Meta-Analysis. BioNanoScience, 2020, 10, 523-528.	3.5	1
36	A principal component regression model for predicting phytochemical binding to the H. pylori CagA protein. Network Modeling Analysis in Health Informatics and Bioinformatics, 2020, 9, 1.	2.1	1

#	Article	IF	Citations
37	Predicting Peptide Oligomeric State Through Chemical Artificial Intelligence. International Journal of Peptide Research and Therapeutics, 2021, 27, 763-767.	1.9	1
38	Bioaccumulation of Cadmium, Copper, Lead, and Zinc in Water Buffaloes (Bubalus bubalis) Infected with Liver Flukes (Fasciola gigantica). Oriental Journal of Chemistry, 2017, 33, 1684-1688.	0.3	1
39	Green Synthesis of Bimetallic PdAg Nanowires as Catalysts for the Conversion of Toxic Pollutants. International Journal of Philippine Science and Technology, 2015, 8, 41-43.	0.2	1
40	Dipole Moment, Solvation Energy, and Ovality Account for the Variations in the Biological Activity of HIV-1 Reverse Transcriptase Inhibitor Fragments. Annual Research & Review in Biology, 2018, 22, 1-8.	0.4	1
41	A machine learning approach in predicting mosquito repellency of plant – derived compounds. Nova Biotechnologica Et Chimica, 2018, 17, 58-65.	0.1	1
42	In Silico Site-Directed Mutagenesis of the Anopheles gambiae Odorant Binding Protein 20. Nova Biotechnologica Et Chimica, 2016, 15, 156-165.	0.1	0
43	Introduction to Peptide Chemistry and Materials Characterization. SpringerBriefs in Materials, 2016, , 1-17.	0.3	0
44	Biomineralization and the Sequence: Function Effects on the Peptide. SpringerBriefs in Materials, 2016, , 19-35.	0.3	0
45	Synergistic Approaches in Creating Functional Nanomaterials: Fusion Peptides and Bimetallic Nanostructures. SpringerBriefs in Materials, 2016, , 37-52.	0.3	0
46	Enhanced Nanomaterials Through Simple Tweaks in the Microenvironment. SpringerBriefs in Materials, 2016, , 53-64.	0.3	0
47	Synthesis of Bimetallic PdAg Nanoparticles through an Oligomerization- Controlled Biomineralization Peptide. Materials Science Forum, 2018, 928, 77-82.	0.3	0
48	IDDF2019-ABS-0306…Risk of spontaneous bacterial peritonitis with use of proton pump inhibitors – a systemic review and meta-analysis. , 2019, , .		0
49	IDDF2019-ABS-0058…A meta-analysis on the effectiveness of nanoparticle-mediated hyperthermia against hepatocellular carcinoma. , 2019, , .		0
50	Data on the sequence-derived properties of gastric cancer – binding peptides. Data in Brief, 2020, 29, 105351.	1.0	0
51	Evaluation of Enzymatic and Chemical Treatments to Produce Oxalate Depleted Starch from a Novel Variety of Colocasia esculenta Grown in Joida, India. Starch/Staerke, 0, , 2000231.	2.1	0