

Elvis K Tiburu

List of Publications by Year in descending order

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54
papers

740
citations

489802

18
h-index

651938

25
g-index

55
all docs

55
docs citations

55
times ranked

770
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbonated hydroxyapatite-assisted visible light degradation of methylene blue. <i>International Journal of Ceramic Engineering & Science</i> , 2022, 4, 38-46.	0.5	1
2	Computer-aided identification of potential inhibitors against <i>Necator americanus</i> glutathione S-transferase 3. <i>Informatics in Medicine Unlocked</i> , 2022, 30, 100957.	1.9	1
3	Snail Based Carbonated-Hydroxyapatite Material as Adsorbents for Water Iron (II). <i>Materials</i> , 2022, 15, 3253.	1.3	3
4	Capturing <i>Dioclea Reflexa</i> Seed Bioactives on Halloysite Nanotubes and pH Dependent Release of Cargo against Breast (MCF-7) Cancers In Vitro. <i>Separations</i> , 2021, 8, 26.	1.1	2
5	Chitosan-Coated Halloysite Nanotubes As Vehicle for Controlled Drug Delivery to MCF-7 Cancer Cells In Vitro. <i>Materials</i> , 2021, 14, 2837.	1.3	11
6	Mechanical and Structural Characterization of Pineapple Leaf Fiber. <i>Fibers</i> , 2021, 9, 51.	1.8	31
7	Cheminformatics-Based Identification of Potential Novel Anti-SARS-CoV-2 Natural Compounds of African Origin. <i>Molecules</i> , 2021, 26, 406.	1.7	35
8	The Influence of Pineapple Leaf Fiber Orientation and Volume Fraction on Methyl Methacrylate-Based Polymer Matrix for Prosthetic Socket Application. <i>Polymers</i> , 2021, 13, 3381.	2.0	7
9	In vitro antibacterial activities of selected TB drugs in the presence of clay minerals against multidrug-resistant strain of <i>Mycobacterium smegmatis</i> . <i>Cogent Engineering</i> , 2020, 7, 1742853.	1.1	3
10	Dual application of natural clay material for decolorization and adsorption of methylene blue dye. <i>Cogent Chemistry</i> , 2020, 6, 1788291.	2.5	5
11	Characterization and Inhibitory Effects of Magnetic Iron Oxide Nanoparticles Synthesized from Plant Extracts on HeLa Cells. <i>International Journal of Biomaterials</i> , 2020, 2020, 1-11.	1.1	4
12	Electrochemical evaluation of ion substituted-hydroxyapatite on HeLa cells plasma membrane potential. <i>Cogent Engineering</i> , 2019, 6, .	1.1	2
13	Molecular Informatics Studies of the Iron-Dependent Regulator (<i>ideR</i>) Reveal Potential Novel Anti- <i>Mycobacterium ulcerans</i> Natural Product-Derived Compounds. <i>Molecules</i> , 2019, 24, 2299.	1.7	7
14	Pharmacoinformatics-based identification of potential bioactive compounds against Ebola virus protein VP24. <i>Computers in Biology and Medicine</i> , 2019, 113, 103414.	3.9	32
15	Electrochemical Response of <i>Saccharomyces cerevisiae</i> Corresponds to Cell Viability upon Exposure to <i>Dioclea reflexa</i> Seed Extracts and Antifungal Drugs. <i>Biosensors</i> , 2019, 9, 45.	2.3	5
16	Determination of Standard Reference Cardiothoracic Ratio and the Relationship with Body Parameters as A Patients Health Indicator for Clinical Application. <i>International Journal of Scientific Research in Science, Engineering and Technology</i> , 2019, , 318-326.	0.1	1
17	The effect of NaOH catalyst concentration and extraction time on the yield and properties of <i>Citrullus vulgaris</i> seed oil as a potential biodiesel feed stock. <i>South African Journal of Chemical Engineering</i> , 2018, 25, 98-102.	1.2	32
18	Industrial Applications of Clay Materials from Ghana (A Review). <i>Oriental Journal of Chemistry</i> , 2018, 34, 1719-1734.	0.1	9

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19	Chitosan Composites Synthesized Using Acetic Acid and Tetraethylorthosilicate Respond Differently to Methylene Blue Adsorption. <i>Polymers</i> , 2018, 10, 466.	2.0	24
20	Preparation and characterization of hydroxyapatite from <i>Achatina achatina</i> snail shells: effect of carbonate substitution and trace elements on defluoridation of water. <i>Journal of Asian Ceramic Societies</i> , 2018, 6, 205-212.	1.0	25
21	Investigating the Conformation of S100 β Protein Under Physiological Parameters Using Computational Modeling: A Clue for Rational Drug Design. <i>Open Biomedical Engineering Journal</i> , 2018, 12, 36-50.	0.7	3
22	Investigating the Conformation of S100 β Protein Under Physiological Parameters Using Computational Modeling: A Clue for Rational Drug Design. <i>Open Biomedical Engineering Journal</i> , 2018, 12, 73-73.	0.7	0
23	The use of Body Surface Index as a Better Clinical Health indicators Compare to Body Mass Index and Body Surface Area for Clinical Application. <i>International Journal of Scientific Research in Science, Engineering and Technology</i> , 2018, , 131-136.	0.1	1
24	The IAEA/WHO TLD Audit Program. The results of the TLD postal dosimetry audits in the National Centre for Radiotherapy and Nuclear Medicine Department, Korle-Bu, Accra (1998 to 2012). <i>International Journal of Scientific Research in Science and Technology</i> , 2018, , 126-131.	0.1	1
25	Novel Nanocrystal Clay Materials with Potential Bone Cells Growth Enhancement or Inhibition Characteristics <i>In Vitro</i> . <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2017, 30, 45-60.	0.5	3
26	Characterisation and identification of local kaolin clay from Ghana: A potential material for electroporcelain insulator fabrication. <i>Applied Clay Science</i> , 2017, 150, 125-130.	2.6	25
27	Expression, Purification, and Monitoring of Conformational Changes of hCB2 TMH67H8 in Different Membrane-Mimetic Lipid Mixtures Using Circular Dichroism and NMR Techniques. <i>Membranes</i> , 2017, 7, 10.	1.4	2
28	Investigating the Influence of Temperature on the Kaolinite-Base Synthesis of Zeolite and Urease Immobilization for the Potential Fabrication of Electrochemical Urea Biosensors. <i>Sensors</i> , 2017, 17, 1831.	2.1	20
29	Antifungal and Anti-Proliferative Effects of Zeolites A and X on Yeast Pathogenic and Cancer Cells <i>In Vitro</i> . <i>Journal of Biomaterials and Tissue Engineering</i> , 2017, 7, 544-555.	0.0	6
30	Crystallization of Linde Type A Nanomaterials at Two Temperatures Exhibit Differential Inhibition of HeLa Cervical Cancer Cells <i>In Vitro</i> . <i>Journal of Biomimetics, Biomaterials and Biomedical Engineering</i> , 2016, 28, 66-77.	0.5	7
31	Dispersion and functionalization of single-walled carbon nanotubes (SWCNTS) for nanocomposite applications. <i>Materiaux Et Techniques</i> , 2016, 104, 607.	0.3	2
32	Distance Measurements and Conformational Analysis of sn-2-Arachidonoylglycerol-Membrane Sample by ^2H - ^{31}P REDOR NMR. <i>Journal of Membrane Biology</i> , 2014, 247, 231-238.	1.0	2
33	Human Cannabinoid 1 GPCR C-Terminal Domain Interacts with Bilayer Phospholipids to Modulate the Structure of its Membrane Environment. <i>AAPS Journal</i> , 2011, 13, 92-98.	2.2	18
34	Dynamic Conformational Responses of a Human Cannabinoid Receptor-1 Helix Domain to Its Membrane Environment. <i>Biochemistry</i> , 2009, 48, 4895-4904.	1.2	13
35	Solid-state NMR and molecular dynamics characterization of cannabinoid receptor-1 (CB1) helix 7 conformational plasticity in model membranes. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2009, 1788, 1159-1167.	1.4	19
36	Structural biology of human cannabinoid receptor-2 helix 6 in membrane-mimetic environments. <i>Biochemical and Biophysical Research Communications</i> , 2009, 384, 243-248.	1.0	17

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37	NMR solution structure of human cannabinoid receptor-1 helix 7/8 peptide: Candidate electrostatic interactions and microdomain formation. <i>Biochemical and Biophysical Research Communications</i> , 2009, 390, 441-446.	1.0	18
38	Structural divergence among cannabinoids influences membrane dynamics: A 2H Solid-State NMR analysis. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2007, 1768, 2049-2059.	1.4	9
39	31P and 2H Relaxation Studies of Helix VII and the Cytoplasmic Helix of the Human Cannabinoid Receptors Utilizing Solid-State NMR Techniques. <i>Biochemistry</i> , 2006, 45, 7356-7365.	1.2	8
40	The structural properties of the transmembrane segment of the integral membrane protein phospholamban utilizing 13C CPMAS, 2H, and REDOR solid-state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2006, 1758, 772-780.	1.4	17
41	Solid-state 2H NMR studies of the effects of cholesterol on the acyl chain dynamics of magnetically aligned phospholipid bilayers. <i>Magnetic Resonance in Chemistry</i> , 2004, 42, 132-138.	1.1	25
42	Investigating fatty acids inserted into magnetically aligned phospholipid bilayers using EPR and solid-state NMR spectroscopy. <i>Journal of Magnetic Resonance</i> , 2004, 168, 228-237.	1.2	11
43	Investigating the Dynamic Properties of the Transmembrane Segment of Phospholamban Incorporated into Phospholipid Bilayers Utilizing 2H and 15N Solid-State NMR Spectroscopy. <i>Biochemistry</i> , 2004, 43, 13899-13909.	1.2	29
44	Solid-State NMR Spectroscopic Studies of an Integral Membrane Protein Inserted into Aligned Phospholipid Bilayer Nanotube Arrays. <i>Journal of the American Chemical Society</i> , 2004, 126, 9504-9505.	6.6	36
45	Investigating Structural Changes in the Lipid Bilayer upon Insertion of the Transmembrane Domain of the Membrane-Bound Protein Phospholamban Utilizing 31P and 2H Solid-State NMR Spectroscopy. <i>Biophysical Journal</i> , 2004, 86, 1564-1573.	0.2	46
46	An improved synthetic and purification procedure for the hydrophobic segment of the transmembrane peptide phospholamban. <i>Analytical Biochemistry</i> , 2003, 318, 146-151.	1.1	18
47	Magnetically aligned phospholipid bilayers in weak magnetic fields: optimization, mechanism, and advantages for X-band EPR studies. <i>Journal of Magnetic Resonance</i> , 2003, 161, 77-90.	1.2	35
48	Calculating order parameter profiles utilizing magnetically aligned phospholipid bilayers for 2H solid-state NMR studies. <i>Solid State Nuclear Magnetic Resonance</i> , 2003, 24, 137-149.	1.5	24
49	Development of magnetically aligned phospholipid bilayers in mixtures of palmitoylstearylphosphatidylcholine and dihexanoylphosphatidylcholine by solid-state NMR spectroscopy. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1512, 206-214.	1.4	42
50	Magnetically Aligned Phospholipid Bilayers at the Parallel and Perpendicular Orientations for X-Band Spin-Label EPR Studies. <i>Journal of the American Chemical Society</i> , 2001, 123, 2913-2914.	6.6	32
51	Formation of Chitosan Nanoparticles Using Deacetylated Chitin Isolated from Freshwater Algae and Locally Synthesized Zeolite A and their Influence on Cancer Cell Growth. <i>Journal of Nano Research</i> , 0, 48, 156-170.	0.8	11
52	Biomaterial for Bone and Dental Implants: Synthesis of B-Type Carbonated Hydroxyapatite from Biogenic Source. , 0, , .		0
53	Electrochemical Response of Cells Using Bioactive Plant Isolates. , 0, , .		0
54	Titration route affects biomimetic mineralization of carbonated hydroxyapatite bone material. <i>Journal of the Australian Ceramic Society</i> , 0, , .	1.1	0