

Julius Numbonui Ghogomu

List of Publications by Year in descending order

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papers

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Structural, Electronic, and Charge Transport Properties of New Materials based on 2-(5-Mercapto-1,3,4-Oxadiazol-2-yl) Phenol for Organic Solar Cells and Light Emitting Diodes by DFT and TD-DFT. <i>Journal of Chemistry</i> , 2022, 2022, 1-15.	0.9	4
2	Ability of fullerene like nano-cage for sensing and improving the antioxidant activity of juglone and its derivative: Density functional theory investigation. <i>International Journal of Quantum Chemistry</i> , 2022, 122, .	1.0	7
3	DFT investigation on the effect of the permutation of some electron donating and accepting groups in <i>Chemistry Accounts</i> , 2022, 141, .	0.5	3
4	A DFT and TD-DFT study of charge transport and non-linear optical properties of N-(4- Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (me complexes. <i>Journal of Chemical Sciences</i> , 2022, 134, .	0.7	2
5	A theoretical study of the structural and electronic properties of some titanocenes using DFT, TD-DFT, and QTAIM. <i>Structural Chemistry</i> , 2021, 32, 353-366.	1.0	11
6	Investigation of the Antioxidant and UV Absorption Properties of 2-(2-hydroxy-5-methylphenyl)-benzotriazole and Its Ortho-Substituted Derivatives via DFT/TD-DFT. <i>Computational Chemistry</i> , 2021, 09, 161-196.	0.2	2
7	Effect of B-site Co substitution on the structure and magnetic properties of nanocrystalline neodymium orthoferrite synthesized by auto-combustion. <i>Royal Society Open Science</i> , 2021, 8, 201883.	1.1	5
8	DFT insights into the structure, reactivity and radical scavenging activity of cycloartocarpesin. <i>Journal of Physical Organic Chemistry</i> , 2021, 34, e4245.	0.9	5
9	Activated Carbon from the Peelings of Cassava Tubers (<i>Manihot esculenta</i>) for the Removal of Nickel(II) Ions from Aqueous Solution. <i>Journal of Chemistry</i> , 2021, 2021, 1-14.	0.9	9
10	A Quantum Chemical Screening of Two Imidazole-Chalcone Hybrid Ligands and Their Pd, Pt and Zn Complexes for Charge Transport and Nonlinear Optical (NLO) Properties: A DFT Study. <i>Computational Chemistry</i> , 2021, 09, 215-237.	0.2	5
11	Multivariate Statistical and Hydrochemical Analysis of Drinking Water Resources in Northern Cameroon Watersheds. <i>Water (Switzerland)</i> , 2021, 13, 3055.	1.2	1
12	A DFT and TD-DFT study of ESIPT-mediated NLO switching and UV absorption by 2-(2-hydroxy-5-methylphenyl)benzotriazole. <i>Theoretical Chemistry Accounts</i> , 2019, 138, 1.	0.5	15
13	DFT-based study of the impact of transition metal coordination on the charge transport and nonlinear optical (NLO) properties of 2-[[5-(4-nitrophenyl)-1,3,4-thiadiazol-2-ylimino]methyl]phenol. <i>Molecular Physics</i> , 2019, 117, 2577-2592.	0.8	16
14	The Substitution Effect on Reaction Enthalpies of Antioxidant Mechanisms of Juglone and Its Derivatives in Gas and Solution Phase: DFT Study. <i>Journal of Chemistry</i> , 2018, 2018, 1-10.	0.9	3
15	Structural Properties and Reactive Site Selectivity of Some Transition Metal Complexes of 2,2-(1E,1E)-(ethane-1,2-diylbis(azan-1-yl-1-ylidene))bis(phenylmethan-1-yl-1-ylidene)dibenzoic Acid: DFT, Conceptual DFT, QTAIM, and MEP Studies. <i>Bioinorganic Chemistry and Applications</i> , 2018, 2018, 1-11.	1.8	10
16	Theoretical analysis of the binding of iron(III) protoporphyrin IX to 4-methoxyacetophenone thiosemicarbazone via DFT-D3, MEP, QTAIM, NCI, ELF, and LOL studies. <i>Journal of Molecular Modeling</i> , 2017, 23, 200.	0.8	81
17	A DFT Study of Structural and Bonding Properties of Complexes Obtained from First-Row Transition Metal Chelation by 3-Alkyl-4-phenylacetyl-amino-4,5-dihydro-1H-1,2,4-triazol-5-one and Its Derivatives. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-15.	1.8	14
18	Quantum Chemical Investigation on the Antioxidant Activity of Neutral and Anionic Forms of Juglone: Metal Chelation and Its Effect on Radical Scavenging Activity. <i>Journal of Chemistry</i> , 2017, 2017, 1-14.	0.9	4

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19	Structural and Antioxidant Properties of Compounds Obtained from Fe ²⁺ Chelation by Juglone and Two of Its Derivatives: DFT, QAIM, and NBO Studies. <i>Bioinorganic Chemistry and Applications</i> , 2016, 2016, 1-13.	1.8	10
20	Concomitant Effects of Transition Metal Chelation and Solvent Polarity on the First Molecular Hyperpolarizability of 4-Methoxyacetophenone Thiosemicarbazone: A DFT Study. <i>Journal of Theoretical Chemistry</i> , 2016, 2016, 1-19.	1.5	18
21	A DFT Study of Some Structural and Spectral Properties of 4-Methoxyacetophenone Thiosemicarbazone and Its Complexes with Some Transition Metal Chlorides: Potent Antimicrobial Agents. <i>Advances in Chemistry</i> , 2016, 2016, 1-15.	1.1	8
22	Open waste burning in Cameroonian cities: an environmental impact analysis. <i>The Environmentalist</i> , 2011, 31, 254-262.	0.7	20