

# Haci Baykara

## List of Publications by Year in descending order

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37  
papers

621  
citations

623734

14  
h-index

610901

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40  
docs citations

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times ranked

633  
citing authors

#	ARTICLE	IF	CITATIONS
1	Preparation, Characterization, and Life Cycle Assessment of Aerated Concrete Blocks: A Case Study in Guayaquil City, Ecuador. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1913.	2.5	2
2	The use of zeolite-based geopolymers as adsorbent for copper removal from aqueous media. <i>Royal Society Open Science</i> , 2022, 9, 211644.	2.4	6
3	Comparative mechanical properties of conventional concrete mixture and concrete incorporating mining tailings sands. <i>Case Studies in Construction Materials</i> , 2022, 16, e01031.	1.7	4
4	Technoâ€environmental and life cycle assessment of â€oatâ€milkâ€™ production in Ecuador: A cradleâ€toâ€retail life cycle assessment. <i>International Journal of Food Science and Technology</i> , 2022, 57, 4879-4886.	2.7	7
5	Environmental performance of bamboo fibers and sugarcane bagasse reinforced metakaolin-based geopolymers. <i>Case Studies in Construction Materials</i> , 2022, 17, e01150.	1.7	3
6	Life cycle and environmental impact evaluation of polylactic acid (PLA) production in Ecuador. <i>International Journal of Life Cycle Assessment</i> , 2022, 27, 834-848.	4.7	3
7	Preparation, Characterization and Evaluation of Antibacterial Properties of Polylactide-Polyethylene Glycol-Chitosan Active Composite Films. <i>Polymers</i> , 2022, 14, 2266.	4.5	7
8	Recent Advances and Potential Applications of Atmospheric Pressure Cold Plasma Technology for Sustainable Food Processing. <i>Foods</i> , 2022, 11, 1833.	4.3	11
9	Swelling Potential of Clayey Soil Modified with Rice Husk Ash Activated by Calcination for Pavement Underlay by Plasticity Index Method (PIM). <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-10.	1.8	13
10	Pozzolanic Reaction in Clayey Soils for Stabilization Purposes: A Classical Overview of Sustainable Transport Geotechnics. <i>Advances in Materials Science and Engineering</i> , 2021, 2021, 1-7.	1.8	17
11	Environmental and Economic Viability of Chitosan Production in Guayas-Ecuador: A Robust Investment and Life Cycle Analysis. <i>ACS Omega</i> , 2021, 6, 23038-23051.	3.5	37
12	Cold Plasma Treatment of Soybean Oil with Hydrogen Gas. <i>JAOCs, Journal of the American Oil Chemists' Society</i> , 2021, 98, 103-113.	1.9	15
13	A QUANTUM CHEMICAL STUDY OF SMALL MOLECULES USED AS ACTIVE LAYER COMPONENT OF ORGANIC SOLAR CELLS. <i>Momento</i> , 2020, , 62-74.	0.7	0
14	Preparation, characterization, and evaluation of compressive strength of polypropylene fiber reinforced geopolymer mortars. <i>Heliyon</i> , 2020, 6, e03755.	3.2	22
15	Reversible Phase Transitions in a Coordination 1D-Polymer Containing an Unusual Hexatungstate Building Block. <i>Crystal Growth and Design</i> , 2019, 19, 2485-2492.	3.0	4
16	THERMODYNAMIC STABILITY OF PROMOTED NIOBIUM SULFIDE CATALYST FOR HYDRODESULFURIZATION: A DFT STUDY. <i>Revista Mexicana De Ingeniera Quimica</i> , 2019, 18, 463-476.	0.4	1
17	Application-oriented mix design optimization and characterization of zeolite-based geopolymer mortars. <i>Construction and Building Materials</i> , 2018, 174, 138-149.	7.2	25
18	Preparation, characterization, and determination of mechanical and thermal stability of natural zeolite-based foamed geopolymers. <i>Construction and Building Materials</i> , 2018, 172, 448-456.	7.2	60

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19	Preparation and Determination of Antimicrobial Property of Cation-Exchanged Ecuadorian Natural Zeolite to be Used as Filler for Polyethylene and Polypropylene Matrices. <i>Journal of Polymers and the Environment</i> , 2018, 26, 2566-2578.	5.0	4
20	Effect of Calcium Hydroxide and Water to Solid Ratio on Compressive Strength of Mordenite-Based Geopolymer and the Evaluation of its Thermal Transmission Property. , 2018, , .		2
21	Life cycle assessment of geopolymer concrete. <i>Construction and Building Materials</i> , 2018, 190, 170-177.	7.2	172
22	An investigation of the effect of migratory type corrosion inhibitor on mechanical properties of zeolite-based novel geopolymers. <i>Journal of Molecular Structure</i> , 2017, 1146, 814-820.	3.6	16
23	Preparation, characterization and reaction kinetics of green cement: Ecuadorian natural mordenite-based geopolymers. <i>Materials and Structures/Materiaux Et Constructions</i> , 2017, 50, 1.	3.1	25
24	Operational Energy Comparison of Concrete and Foamed Geopolymer Based Housing Envelopes. , 2017, , .		0
25	Investigation of the Effect of Some Optically Active Imine Compounds on the Enzyme Activities of hCAâ€ and hCAâ€ under In Vitro Conditions: An Experimental and Theoretical Study. <i>Journal of Biochemical and Molecular Toxicology</i> , 2016, 30, 277-286.	3.0	1
26	Hydration and strength evolution of air-cured zeolite-rich tuffs and siltstone blended cement pastes at low water-to-binder ratio. <i>Clay Minerals</i> , 2015, 50, 133-152.	0.6	6
27	Synthesis and Characterization of a New Difunctional Ligand and Its Metal Complexes: An Experimental, Theoretical, Cyclic Voltammetric, and Antimicrobial Study. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2015, 45, 1795-1807.	0.6	7
28	Thermomechanical treatment of two Ecuadorian zeolite-rich tuffs and their potential usage as supplementary cementitious materials. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014, 115, 309-321.	3.6	18
29	Hydration process of zeolite-rich tuffs and siltstone-blended cement pastes at low W/B ratio, under wet curing condition. <i>European Journal of Environmental and Civil Engineering</i> , 2014, 18, 629-651.	2.1	5
30	Preparation, spectral studies, theoretical, electrochemical and antibacterial investigation of a new Schiff base and its some metal complexes. <i>Journal of Molecular Structure</i> , 2014, 1075, 32-42.	3.6	26
31	Synthesis and characterization of 1,2-bis(2-(5-bromo-2-hydroxybenzylideneamino)-4-chlorophenoxy)ethane and its metal complexes: An experimental, theoretical, electrochemical, antioxidant and antibacterial study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 118, 632-642.	3.9	25
32	Synthesis, characterization and experimental, theoretical, electrochemical, antioxidant and antibacterial study of a new Schiff base and its complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 130, 270-279.	3.9	17
33	Synthesis of poly(epichlorohydrinâ€g</i>â€methyl methacrylate) and poly(epichlorohydrinâ€g</i>â€styrene) graft copolymers by a combination of cationic and photopolymerization methods. <i>Journal of Applied Polymer Science</i> , 2008, 107, 1604-1608.	2.6	6
34	Synthesis, determination of pKa values and GIAO NMR calculations of some new 3-alkyl-4-(p-methoxybenzoylamino)-4,5-dihydro-1H-1,2,4-triazol-5-ones. <i>Journal of Molecular Structure</i> , 2008, 873, 142-148.	3.6	11
35	Synthesis of poly(epichlorohydrin-g-methyl methacrylate) graft copolymers by the combination of cationic and atom transfer radical polymerization. <i>Journal of Applied Polymer Science</i> , 2006, 102, 2725-2729.	2.6	10
36	Synthesis and GIAO NMR Calculations for Some Novel 4-Heteroarylidenamino-4,5-dihydro-1H-1,2,4-triazol-5-one Derivatives: Comparison of Theoretical and Experimental 1H and 13C- Chemical Shifts. <i>International Journal of Molecular Sciences</i> , 2005, 6, 219-229.	4.1	32

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37	Bio-Based Silica Reinforced Aliphatic Bio-Epoxy Composites. , 0, , .		0