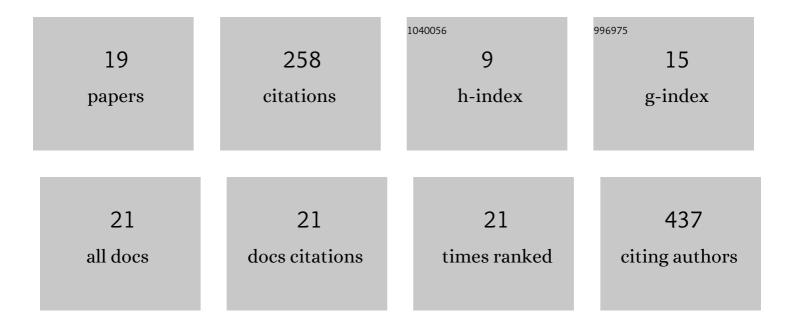
Erick CastellÃ³n

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The experimental average refractive index of liquid crystals and its prediction from the anisotropic indices. Physical Chemistry Chemical Physics, 2022, 24, 7788-7796.	2.8	3
2	The role of coarse aggregates in hydrophobized hydraulic concrete. Emerging Materials Research, 2022, 11, 1-11.	0.7	0
3	Photolysis of the nonsteroidal anti-inflammatory drug sulindac: elucidation of kinetic behaviour and photodegradation pathways in water. Environmental Sciences: Processes and Impacts, 2021, 23, 1405-1417.	3.5	3
4	New method to calculate the anisotropies of polarizability and thermal expansion of uniaxial liquid crystals. Journal of Chemical Physics, 2021, 154, 174905.	3.0	2
5	Anti-adherent Molds Yield Hydraulic Concrete Samples Suitable for Assessments of Surface and Water Absorption. Journal of Civil Engineering and Construction, 2021, 10, 245-252.	0.7	0
6	Increased Nematic–Isotropic Transition Temperature on Doping a Liquid Crystal with Molecularly Rigid Carboxylic Acids. Journal of Physical Chemistry B, 2020, 124, 890-899.	2.6	16
7	Control of water absorption in concrete materials by modification with hybrid hydrophobic silica particles. Construction and Building Materials, 2019, 221, 210-218.	7.2	46
8	How can we effectively improve the mathematical capabilities of students of chemistry?. Chemistry Teacher International, 2019, 1, .	1.7	1
9	Sol-gel materials for electro-optical and optically active humidity-sensitive devices. Journal of Sol-Gel Science and Technology, 2019, 89, 56-61.	2.4	7
10	Novel Reversible Humidityâ€Responsive Light Transmission Hybrid Thinâ€Film Material Based on a Dispersive Porous Structure with Embedded Hygroscopic and Deliquescent Substances. Advanced Functional Materials, 2018, 28, 1704717.	14.9	22
11	Antibacterial biocomposite materials based on essential oils embedded in sol–gel hybrid silica matrices. Journal of Sol-Gel Science and Technology, 2016, 79, 584-595.	2.4	13
12	A chemical approach to control the refractive index of sol–gel matrices for liquid-crystal dispersion devices. Journal of Sol-Gel Science and Technology, 2016, 78, 411-421.	2.4	4
13	A new lignocellulosic biomass deconstruction process combining thermo-mechano chemical action and bio-catalytic enzymatic hydrolysis in a twin-screw extruder. Industrial Crops and Products, 2014, 55, 258-266.	5.2	69
14	Application of the Second Law of Thermodynamics To Explain the Working of Toys. Journal of Chemical Education, 2014, 91, 687-691.	2.3	2
15	Scattering of Light by Colloidal Aluminosilicate Particles Produces the Unusual Sky-Blue Color of RÃo Celeste (Tenorio Volcano Complex, Costa Rica). PLoS ONE, 2013, 8, e75165.	2.5	12
16	Optical and Electroâ€optical Materials Prepared by the Solâ€Gel Method. Advanced Materials, 2011, 23, 5318-5323.	21.0	15
17	An Electroâ€optical Device from a Biofilm Structure Created by Bacterial Activity. Advanced Materials, 2010, 22, 4846-4850.	21.0	17
18	Molecular configuration transitions of a nematic liquid crystal encapsulated in organically modified silicas. Physical Chemistry Chemical Physics, 2009, 11, 6234.	2.8	19

#	Article	IF	CITATIONS
19	New method for analysis of electrooptical response in liquid crystal devices with non-monotonous relaxation. Liquid Crystals, 0, , 1-9.	2.2	Ο