

# Elias Nakouzi

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

796  
citations

567281

15  
h-index

610901

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

1011  
citing authors

#	ARTICLE	IF	CITATIONS
1	Self-organization in precipitation reactions far from the equilibrium. <i>Science Advances</i> , 2016, 2, e1601144.	10.3	143
2	Oriented attachment induces fivefold twins by forming and decomposing high-energy grain boundaries. <i>Science</i> , 2020, 367, 40-45.	12.6	136
3	Biomimetic mineral self-organization from silica-rich spring waters. <i>Science Advances</i> , 2017, 3, e1602285.	10.3	79
4	Connecting energetics to dynamics in particle growth by oriented attachment using real-time observations. <i>Nature Communications</i> , 2020, 11, 1045.	12.8	74
5	Near surface nucleation and particle mediated growth of colloidal Au nanocrystals. <i>Nanoscale</i> , 2018, 10, 11907-11912.	5.6	48
6	Impact of Solution Chemistry and Particle Anisotropy on the Collective Dynamics of Oriented Aggregation. <i>ACS Nano</i> , 2018, 12, 10114-10122.	14.6	40
7	Mechanistic Understanding of the Growth Kinetics and Dynamics of Nanoparticle Superlattices by Coupling Interparticle Forces from Real-Time Measurements. <i>ACS Nano</i> , 2018, 12, 12778-12787.	14.6	34
8	Moving beyond the Solvent-Tip Approximation to Determine Site-Specific Variations of Interfacial Water Structure through 3D Force Microscopy. <i>Journal of Physical Chemistry C</i> , 2021, 125, 1282-1291.	3.1	31
9	Nanoscale observations of Fe( <i>sc</i> )-induced ferrihydrite transformation. <i>Environmental Science: Nano</i> , 2020, 7, 2953-2967.	4.3	21
10	Photo-production of reactive oxygen species and degradation of dissolved organic matter by hematite nanoplates functionalized by adsorbed oxalate. <i>Environmental Science: Nano</i> , 2020, 7, 2278-2292.	4.3	21
11	Revisiting the Growth Mechanism of Hierarchical Semiconductor Nanostructures: The Role of Secondary Nucleation in Branch Formation. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 6827-6834.	4.6	20
12	Interplay between Short- and Long-Ranged Forces Leading to the Formation of Ag Nanoparticle Superlattice. <i>Small</i> , 2019, 15, 1901966.	10.0	19
13	Correlating inter-particle forces and particle shape to shear-induced aggregation/fragmentation and rheology for dilute anisotropic particle suspensions: A complementary study via capillary rheometry and in-situ small and ultra-small angle X-ray scattering. <i>Journal of Colloid and Interface Science</i> , 2020, 576, 47-58.	9.4	18
14	Do Dissolving Objects Converge to a Universal Shape?. <i>Langmuir</i> , 2015, 31, 4145-4150.	3.5	16
15	Biomorph Oscillations Self-organize Micrometer-Scale Patterns and Nanorod Alignment Waves. <i>Journal of Physical Chemistry C</i> , 2015, 119, 15749-15754.	3.1	16
16	Mesoscopic Reaction-Diffusion Fronts Control Biomorph Growth. <i>Journal of Physical Chemistry C</i> , 2017, 121, 26133-26138.	3.1	14
17	Effect of inorganic additives on the growth of silica-carbonate biomorphs. <i>Journal of Crystal Growth</i> , 2016, 452, 166-171.	1.5	13
18	Systematic characterization of polycrystalline silica-carbonate helices. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 23044-23052.	2.8	11

#	ARTICLE	IF	CITATIONS
19	Can mineral growth by oriented attachment lead to incorporation of uranium(vi) into the structure of goethite?. Environmental Science: Nano, 2019, 6, 3000-3009.	4.3	10
20	Spiers Memorial Lecture: Assembly-based pathways of crystallization. Faraday Discussions, 2022, 235, 9-35.	3.2	10
21	Using Atom Dynamics to Map the Defect Structure Around an Impurity in Nano-Hematite. Journal of Physical Chemistry Letters, 2020, 11, 10396-10400.	4.6	9
22	Connecting wettability, topography, and chemistry in a simple lipid-montmorillonite system. Journal of Colloid and Interface Science, 2019, 555, 498-508.	9.4	7
23	Polyelectrolyte complex films influence the formation of polycrystalline micro-structures. Soft Matter, 2018, 14, 3164-3170.	2.7	5
24	Visualizing Solution Structure at Solid-Liquid Interfaces using Three-Dimensional Fast Force Mapping. Journal of Visualized Experiments, 2021, , .	0.3	1