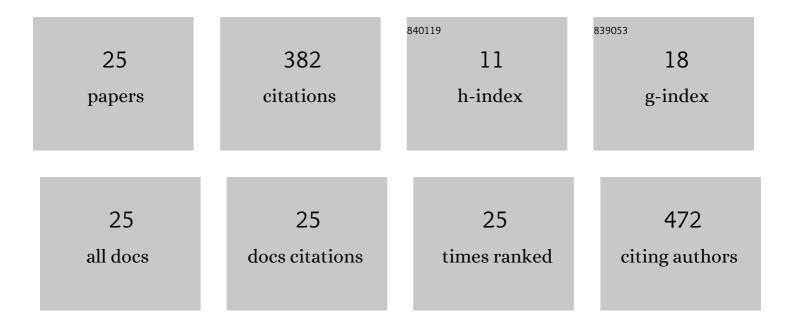
## Berta DomÃ"nech

List of Publications by Year in descending order

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**ΒΕΡΤΑ ΠΟΜΑ̈́¨ΝΕCH** 

#	Article	IF	CITATIONS
1	Nanoindentation of Supercrystalline Nanocomposites: Linear Relationship Between Elastic Modulus and Hardness. Jom, 2022, 74, 2261-2276.	0.9	8
2	Strengthening Engineered Nanocrystal Three-Dimensional Superlattices via Ligand Conformation and Reactivity. ACS Nano, 2022, 16, 11692-11707.	7.3	8
3	Deformation Behavior of Cross-Linked Supercrystalline Nanocomposites: An in Situ SAXS/WAXS Study during Uniaxial Compression. Nano Letters, 2021, 21, 2891-2897.	4.5	10
4	Constitutive and fracture behavior of ultra-strong supercrystalline nanocomposites. Applied Physics Reviews, 2021, 8, 031414.	5.5	7
5	Defects and plasticity in ultrastrong supercrystalline nanocomposites. Science Advances, 2021, 7, .	4.7	17
6	Strong Macroscale Supercrystalline Structures by 3D Printing Combined with Selfâ€Assembly of Ceramic Functionalized Nanoparticles. Advanced Engineering Materials, 2020, 22, 2070028.	1.6	2
7	Controlling the Large-Scale Fabrication of Supraparticles. Journal of Physical Chemistry B, 2020, 124, 11263-11272.	1.2	13
8	Mapping the Mechanical Properties of Hierarchical Supercrystalline Ceramic-Organic Nanocomposites. Molecules, 2020, 25, 4790.	1.7	9
9	Strong Macroscale Supercrystalline Structures by 3D Printing Combined with Selfâ€Assembly of Ceramic Functionalized Nanoparticles. Advanced Engineering Materials, 2020, 22, 2000352.	1.6	19
10	Ultra-thin and ultra-strong organic interphase in nanocomposites with supercrystalline particle arrangement: Mechanical behavior identification via multiscale numerical modeling. Composites Science and Technology, 2020, 198, 108283.	3.8	11
11	Modulating the Mechanical Properties of Supercrystalline Nanocomposite Materials via Solvent–Ligand Interactions. Langmuir, 2019, 35, 13893-13903.	1.6	26
12	Iron oxide-based nanostructured ceramics with tailored magnetic and mechanical properties: development of mechanically robust, bulk superparamagnetic materials. Nanoscale Advances, 2019, 1, 3139-3150.	2.2	28
13	Nanoindentation-based study of the mechanical behavior of bulk supercrystalline ceramic-organic nanocomposites. Journal of the European Ceramic Society, 2019, 39, 3247-3256.	2.8	50
14	Hierarchical supercrystalline nanocomposites through the self-assembly of organically-modified ceramic nanoparticles. Scientific Reports, 2019, 9, 3435.	1.6	22
15	Hybrid Catalytic Membranes: Tunable and Versatile Materials for Fine Chemistry Applications. Materials Today: Proceedings, 2016, 3, 419-423.	0.9	5
16	Tuning the structure and the mechanical properties of epoxy–silica sol–gel hybrid materials. RSC Advances, 2016, 6, 10736-10742.	1.7	9
17	Chemical and electrochemical characterization of Nafion containing silver nanoparticles in a stripe-like distribution. RSC Advances, 2016, 6, 9923-9931.	1.7	7
18	Polyurethane foams doped with stable silver nanoparticles as bactericidal and catalytic materials for the effective treatment of water. New Journal of Chemistry, 2016, 40, 3716-3725.	1.4	21

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#	Article	IF	CITATIONS
19	Uncommon patterns in Nafion films loaded with silver nanoparticles. Chemical Communications, 2014, 50, 4693-4695.	2.2	13
20	Polymer-Metal Nanocomposites Containing Dual-Function Metal Nanoparticles: Ion-Exchange Materials Modified with Catalytically-Active and Bactericide Silver Nanoparticles. Solvent Extraction and Ion Exchange, 2014, 32, 301-315.	0.8	6
21	Development of novel catalytically active polymer-metal-nanocomposites based on activated foams and textile fibers. Nanoscale Research Letters, 2013, 8, 238.	3.1	5
22	Catalytic membranes with palladium nanoparticles: From tailored polymer to catalytic applications. Catalysis Today, 2012, 193, 158-164.	2.2	36
23	Nanocomposite Membranes with Pd and Ag Nanoparticles. A New Material for Catalytic Membranes Development. Procedia Engineering, 2012, 44, 1264-1267.	1.2	2
24	Polymer-stabilized palladium nanoparticles for catalytic membranes: ad hoc polymer fabrication. Nanoscale Research Letters, 2011, 6, 406.	3.1	39
25	Bifunctional Polymer-Metal Nanocomposite Ion Exchange Materials. , 0, , .		9