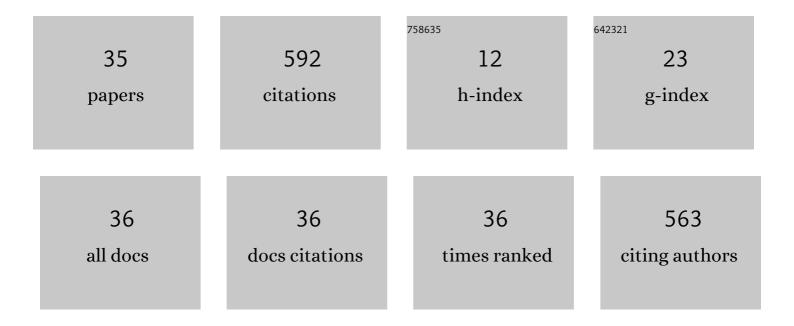


## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1984358/publications.pdf

Version: 2024-02-01



IF # ARTICLE CITATIONS An All-Ceramic, Anisotropic, and Flexible Aerogel Insulation Material. Nano Letters, 2020, 20, 3828-3835. 4.5 Thermal enhancement and shape stabilization of a phase-change energy-storage material via copper 9 6.6 56 nanowire aerogel. Chemical Engineering Journal, 2019, 373, 857-869. Effect of nanoparticle size on the mechanical properties of nanoparticle assemblies. Nanoscale, 2019, 2.8 11, 9563-9573. Acoustic emission signal processing framework to identify fracture in aluminum alloys. Engineering 4 2.0 42 Fracture Mechanics, 2019, 210, 367-380. A Hierarchical Mesoporous Insulation Ceramic. Nano Letters, 2020, 20, 1110-1116. 4.5 38 Printable Copper Sensor Electronics for High Temperature. ACS Applied Electronic Materials, 2020, 2, 2.0 37 6 1867-1873. A scalable crosslinked fiberglass-aerogel thermal insulation composite. Applied Materials Today, 2020, 2.3 21, 100843. Cost-Effective Additive Manufacturing of Ambient Pressure-Dried Silica Aerogel. Journal of 8 1.3 28 Manufacturing Science and Engineering, Transactions of the ASME, 2021, 143, . Solution-shearing of dielectric polymer with high thermal conductivity and electric insulation. 4.7 24 Science Advances, 2021, 7, eabi7410. Wearable Aramid–Ceramic Aerogel Composite for Harsh Environment. Advanced Engineering 10 1.6 20 Materials, 2021, 23, 2001169. Reflective Paint Consisting of Mesoporous Silica Aerogel and Titania Nanoparticles for Thermal 2.4 Management. ACS Applied Nano Materials, 2021, 4, 6357-6363. Copper Nanoplates for Printing Flexible High-Temperature Conductors. ACS Applied Nano Materials, 12 2.4 13 2022, 5, 4028-4037. Transparent and Flexible Thermal Insulation Window Material. Cell Reports Physical Science, 2020, 1, 2.8 100140. Flexible and printable dielectric polymer composite with tunable permittivity and thermal stability. 14 2.2 12 Chemical Communications, 2020, 56, 2332-2335. Nanoengineering Porous Silica for Thermal Management. ACS Applied Nano Materials, 2022, 5, 2.4 2655-2663. High temperature ceramic thermal insulation material. Nano Research, 2022, 15, 6662-6669. 16 5.8 12 All-Printed Conformal High-Temperature Electronics on Flexible Ceramics. ACS Applied Electronic Materials, 2020, 2, 556-562. Eutectic crystallized FePd nanoparticles for liquid metal magnet. Chemical Communications, 2020, 56, 18 2.2 11

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6555-6558.

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#	Article	IF	CITATIONS
19	Flame aerosol synthesis of hollow alumina nanoshells for application in thermal insulation. Chemical Engineering Journal, 2022, 428, 131273.	6.6	11
20	Ductile cooling phase change material. Nanoscale Advances, 2020, 2, 3900-3905.	2.2	7
21	A macromolecular assembly directed ceramic aerogel monolith material. Journal of Materials Chemistry C, 2020, 8, 10319-10324.	2.7	7
22	Additive Manufacturing of Porous Ceramics With Foaming Agent. Journal of Manufacturing Science and Engineering, Transactions of the ASME, 2022, 144, .	1.3	7
23	Cu-based metal–organic frameworks for highly sensitive X-ray detectors. Chemical Communications, 2021, 57, 8612-8615.	2.2	7
24	Scalable and robust silica aerogel materials from ambient pressure drying. Materials Advances, 2022, 3, 2726-2736.	2.6	7
25	Cross-Linking and Charging Molecular Magnetoelectronics. Nano Letters, 2021, 21, 4099-4105.	4.5	6
26	Hierarchical Structural Engineering of Ultrahigh-Molecular-Weight Polyethylene. ACS Applied Materials & Interfaces, 2020, 12, 50024-50032.	4.0	5
27	Emerging Magnetic Interactions in van der Waals Heterostructures. Nano Letters, 2020, 20, 7852-7859.	4.5	5
28	Enhanced Fatigue Property of Welded S355J2W Steel by Forming a Gradient Nanostructured Surface Layer. Acta Metallurgica Sinica (English Letters), 2020, 33, 1252-1258.	1.5	5
29	Two-Dimensional Conductive π–d Frameworks with Multiple Sensory Capabilities. ACS Applied Materials & Interfaces, 2021, 13, 28703-28709.	4.0	5
30	Printing Air-Stable High-Tc Molecular Magnet with Tunable Magnetic Interaction. Nano Letters, 2022, 22, 545-553.	4.5	4
31	Electron transfer induced magnetic ordering of metal-cyanide magnets. Materials Advances, 2020, 1, 1061-1065.	2.6	3
32	A predictive multiphase model of silica aerogels for building envelope insulations. Computational Mechanics, 2022, 69, 1457-1479.	2.2	2
33	Printed copper-nanoplate conductor for electro-magnetic interference. Nanotechnology, 2022, 33, 115601.	1.3	2
34	Printable and flexible wireless oxygen sensor. Engineering Research Express, 2021, 3, 015021.	0.8	1
35	Magnetically hard ferrite nanoparticles synthesized through aerogel nanoreactor. Nanotechnology, 2020, 31, 465606.	1.3	0