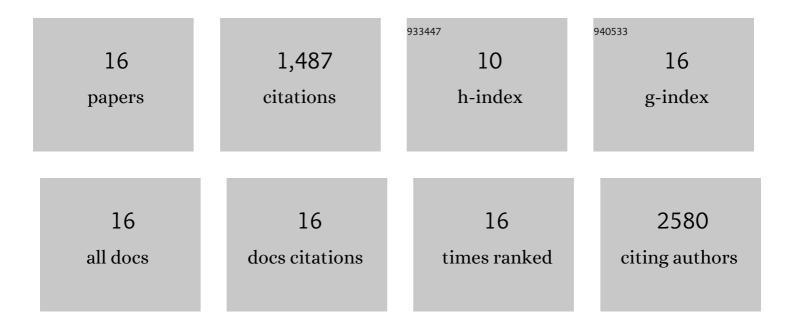
Michael H Nielsen

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/8031809/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	Raman signatures of detonation soot. Journal of Raman Spectroscopy, 2022, 53, 1571-1579.	2.5	6
2	Submicrosecond Aggregation during Detonation Synthesis of Nanodiamond. Journal of Physical Chemistry Letters, 2021, 12, 5286-5293.	4.6	21
3	Gold Aerogel Monoliths with Tunable Ultralow Densities. Nano Letters, 2020, 20, 131-135.	9.1	28
4	Detonation-induced transformation of graphite to hexagonal diamond. Physical Review B, 2020, 102, .	3.2	13
5	Controlling interdependent meso-nanosecond dynamics and defect generation in metal 3D printing. Science, 2020, 368, 660-665.	12.6	291
6	Ultrafast shock synthesis of nanocarbon from a liquid precursor. Nature Communications, 2020, 11, 353.	12.8	33
7	Observation of Variations in Condensed Carbon Morphology Dependent on Composition B Detonation Conditions. Propellants, Explosives, Pyrotechnics, 2020, 45, 347-355.	1.6	11
8	Resolving Detonation Nanodiamond Size Evolution and Morphology at Sub-Microsecond Timescales during High-Explosive Detonations. Journal of Physical Chemistry C, 2019, 123, 19153-19164.	3.1	18
9	Detonation synthesis of carbon nano-onions via liquid carbon condensation. Nature Communications, 2019, 10, 3819.	12.8	50
10	Shape-controlled synthesis and <i>in situ</i> characterisation of anisotropic Au nanomaterials using liquid cell transmission electron microscopy. Nanoscale, 2019, 11, 16801-16809.	5.6	9
11	Ultrafast dynamics of laser-metal interactions in additive manufacturing alloys captured by in situ X-ray imaging. Materials Today Advances, 2019, 1, 100002.	5.2	105
12	Single-bunch imaging of detonation fronts using scattered synchrotron radiation. Journal of Applied Physics, 2018, 123, .	2.5	6
13	Investigating Processes of Nanocrystal Formation and Transformation via Liquid Cell TEM. Microscopy and Microanalysis, 2014, 20, 425-436.	0.4	94
14	In situ TEM imaging of CaCO ₃ nucleation reveals coexistence of direct and indirect pathways. Science, 2014, 345, 1158-1162.	12.6	584
15	Preparation of Organothiol Self-Assembled Monolayers for Use in Templated Crystallization. Methods in Enzymology, 2013, 532, 209-224.	1.0	6
16	High Surface Area, sp ² -Cross-Linked Three-Dimensional Graphene Monoliths. Journal of Physical Chemistry Letters, 2011, 2, 921-925.	4.6	212