

Paul J M Smeets

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

984
citations

840776

11
h-index

752698

20
g-index

22
all docs

22
docs citations

22
times ranked

1657
citing authors

#	ARTICLE	IF	CITATIONS
1	Calcium carbonate nucleation driven by ion binding in a biomimetic matrix revealed by in situ electron microscopy. <i>Nature Materials</i> , 2015, 14, 394-399.	27.5	353
2	A classical view on nonclassical nucleation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E7882-E7890.	7.1	181
3	Chemical gradients in human enamel crystallites. <i>Nature</i> , 2020, 583, 66-71.	27.8	112
4	Ultrarrow plasmon resonances from annealed nanoparticle lattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23380-23384.	7.1	80
5	Structure and Properties of Nanocomposites Formed by the Occlusion of Block Copolymer Worms and Vesicles Within Calcite Crystals. <i>Advanced Functional Materials</i> , 2016, 26, 1382-1392.	14.9	63
6	Plasmonic Photoelectrocatalysis in Copper-Platinum Core-Shell Nanoparticle Lattices. <i>Nano Letters</i> , 2021, 21, 1523-1529.	9.1	44
7	In Situ Ni ²⁺ Stain for Liposome Imaging by Liquid-Cell Transmission Electron Microscopy. <i>Nano Letters</i> , 2020, 20, 4292-4297.	9.1	21
8	Persistent polyamorphism in the chiton tooth: From a new biomineral to inks for additive manufacturing. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	21
9	Degeneration Behavior of Cu Nanowires under Carbon Dioxide Environment: An In Situ Operando Study. <i>Nano Letters</i> , 2021, 21, 6813-6819.	9.1	18
10	Charge Separation in Epitaxial SnS/MoS ₂ Vertical Heterojunctions Grown by Low-Temperature Pulsed MOCVD. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 40543-40550.	8.0	16
11	Non-Iridescent Structural Color Control via Inkjet Printing of Self-Assembled Synthetic Melanin Nanoparticles. <i>Chemistry of Materials</i> , 2021, 33, 6433-6442.	6.7	15
12	Multi-Step Crystallization of Barium Carbonate: Rapid Interconversion of Amorphous and Crystalline Precursors. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 16028-16031.	13.8	12
13	A Mesocrystal-Like Morphology Formed by Classical Polymer-Mediated Crystal Growth. <i>Advanced Functional Materials</i> , 2017, 27, 1701658.	14.9	12
14	Uncovering the crystal defects within aragonite CaCO ₃ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2122218119.	7.1	10
15	Selective Area Regrowth Produces Nonuniform Mg Doping Profiles in Nonplanar GaN n Junctions. <i>ACS Applied Electronic Materials</i> , 2021, 3, 704-710.	4.3	8
16	Effects of the Encapsulation Membrane in Operando Scanning Transmission Electron Microscopy. <i>Nano Letters</i> , 2022, 22, 4137-4144.	9.1	8
17	Atomic-Scale Characterization Reveals Core-Shell Structure of Enamel Crystallites. <i>Microscopy and Microanalysis</i> , 2019, 25, 1722-1723.	0.4	4
18	Atomic Resolution STEM Imaging of Human Enamel Crystallites and Characterization of its Localized Impurities. <i>Microscopy and Microanalysis</i> , 2018, 24, 1266-1267.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Multi-Step Crystallization of Barium Carbonate: Rapid Interconversion of Amorphous and Crystalline Precursors. <i>Angewandte Chemie</i> , 2017, 129, 16244-16247.	2.0	1
20	Challenges and Solutions in the Characterization of Hierarchically Structured, Functionally Graded Tooth Biominerals. <i>Microscopy and Microanalysis</i> , 2020, 26, 1592-1594.	0.4	0