Paul J M Smeets

List of Publications by Year
in descending order

20	984	840776 11	752698 20
papers	citations	h-index	g-index

22	22	22	1657
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Uncovering the crystal defects within aragonite CaCO ₃. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2122218119.	7.1	10
2	Effects of the Encapsulation Membrane in Operando Scanning Transmission Electron Microscopy. Nano Letters, 2022, 22, 4137-4144.	9.1	8
3	Plasmonic Photoelectrocatalysis in Copperâ€"Platinum Coreâ€"Shell Nanoparticle Lattices. Nano Letters, 2021, 21, 1523-1529.	9.1	44
4	Selective Area Regrowth Produces Nonuniform Mg Doping Profiles in Nonplanar GaN pâ€"n Junctions. ACS Applied Electronic Materials, 2021, 3, 704-710.	4.3	8
5	Persistent polyamorphism in the chiton tooth: From a new biomineral to inks for additive manufacturing. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	21
6	Degeneration Behavior of Cu Nanowires under Carbon Dioxide Environment: An In Situ/Operando Study. Nano Letters, 2021, 21, 6813-6819.	9.1	18
7	Non-Iridescent Structural Color Control via Inkjet Printing of Self-Assembled Synthetic Melanin Nanoparticles. Chemistry of Materials, 2021, 33, 6433-6442.	6.7	15
8	Ultranarrow plasmon resonances from annealed nanoparticle lattices. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23380-23384.	7.1	80
9	Challenges and Solutions in the Characterization of Hierarchically Structured, Functionally Graded Tooth Biominerals. Microscopy and Microanalysis, 2020, 26, 1592-1594.	0.4	0
10	In Situ Ni²⁺ Stain for Liposome Imaging by Liquid-Cell Transmission Electron Microscopy. Nano Letters, 2020, 20, 4292-4297.	9.1	21
11	Chemical gradients in human enamel crystallites. Nature, 2020, 583, 66-71.	27.8	112
12	Atomic-Scale Characterization Reveals Core-Shell Structure of Enamel Crystallites. Microscopy and Microanalysis, 2019, 25, 1722-1723.	0.4	4
13	Charge Separation in Epitaxial SnS/MoS₂ Vertical Heterojunctions Grown by Low-Temperature Pulsed MOCVD. ACS Applied Materials & Interfaces, 2019, 11, 40543-40550.	8.0	16
14	Atomic Resolution STEM Imaging of Human Enamel Crystallites and Characterization of its Localized Impurities. Microscopy and Microanalysis, 2018, 24, 1266-1267.	0.4	3
15	Multiâ€Step Crystallization of Barium Carbonate: Rapid Interconversion of Amorphous and Crystalline Precursors. Angewandte Chemie - International Edition, 2017, 56, 16028-16031.	13.8	12
16	A classical view on nonclassical nucleation. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E7882-E7890.	7.1	181
17	Multiâ€Step Crystallization of Barium Carbonate: Rapid Interconversion of Amorphous and Crystalline Precursors. Angewandte Chemie, 2017, 129, 16244-16247.	2.0	1
18	A Mesocrystalâ€Like Morphology Formed by Classical Polymerâ€Mediated Crystal Growth. Advanced Functional Materials, 2017, 27, 1701658.	14.9	12

#	Article	IF	Citations
19	Structure and Properties of Nanocomposites Formed by the Occlusion of Block Copolymer Worms and Vesicles Within Calcite Crystals. Advanced Functional Materials, 2016, 26, 1382-1392.	14.9	63
20	Calcium carbonate nucleation driven by ion binding in a biomimetic matrix revealed by in situ electron microscopy. Nature Materials, 2015, 14, 394-399.	27.5	353