

Gilles Remi Bourret

List of Publications by Year in descending order

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1421
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent Advances in Structuring and Patterning Silicon Nanowire Arrays for Engineering Light Absorption in Three Dimensions. ACS Applied Energy Materials, 2022, 5, 5307-5317.	5.1	13
2	Electrochemical Synthesis of Plasmonic Nanostructures. Molecules, 2022, 27, 2485.	3.8	4
3	Cubes to Cubes: Organization of MgO Particles into One-Dimensional and Two-Dimensional Nanostructures. Crystal Growth and Design, 2021, 21, 4674-4682.	3.0	17
4	Anisotropic silicon nanowire arrays fabricated by colloidal lithography. Nanoscale Advances, 2021, 3, 3634-3642.	4.6	19
5	Selective Enhancement of Surface and Bulk E-Field within Porous AuRh and AuRu Nanorods. Journal of Physical Chemistry C, 2021, 125, 27661-27670.	3.1	3
6	Spatioselective Deposition of Passivating and Electrocatalytic Layers on Silicon Nanowire Arrays. ACS Applied Materials & Interfaces, 2020, 12, 52581-52587.	8.0	8
7	Large-Scale Synthesis of Highly Uniform Silicon Nanowire Arrays Using Metal-Assisted Chemical Etching. Chemistry of Materials, 2020, 32, 9425-9434.	6.7	51
8	Morphology-Graded Silicon Nanowire Arrays via Chemical Etching: Engineering Optical Properties at the Nanoscale and Macroscale. ACS Applied Materials & Interfaces, 2020, 12, 13140-13147.	8.0	41
9	Thin water films covering oxide nanomaterials: Stability issues and influences on materials processing. Journal of Materials Research, 2019, 34, 428-441.	2.6	18
10	Information depth in backscattered electron microscopy of nanoparticles within a solid matrix. Materials Characterization, 2018, 138, 145-153.	4.4	20
11	Surface Patterning with SiO ₂ @PNiPAm Core-Shell Particles. ACS Omega, 2018, 3, 12089-12098.	3.5	42
12	Three-Dimensional Electrochemical Axial Lithography on Si Micro- and Nanowire Arrays. Nano Letters, 2018, 18, 7343-7349.	9.1	18
13	Confined Etching within 2D and 3D Colloidal Crystals for Tunable Nanostructured Templates: Local Environment Matters. ACS Applied Materials & Interfaces, 2017, 9, 3931-3939.	8.0	34
14	Organisation von Metalloxid-Nanowire-Arrays durch Hydroxylierung. Angewandte Chemie, 2017, 129, 1428-1432.	2.0	0
15	Secondary precipitation during homogenization of Al-Mg-Si alloys: Influence on high temperature flow stress. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 687, 175-180.	5.6	32
16	Hydroxylation Induced Alignment of Metal Oxide Nanocubes. Angewandte Chemie - International Edition, 2017, 56, 1407-1410.	13.8	19
17	Investigation of Mass-Produced Substrates for Reproducible Surface-Enhanced Raman Scattering Measurements over Large Areas. ACS Applied Materials & Interfaces, 2017, 9, 25445-25454.	8.0	21
18	Enzyme adsorption-induced activity changes: a quantitative study on TiO ₂ model agglomerates. Journal of Nanobiotechnology, 2017, 15, 55.	9.1	14

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19	Hydration of magnesia cubes: a helium ion microscopy study. Beilstein Journal of Nanotechnology, 2016, 7, 302-309.	2.8	12
20	Defects in Porous Networks of WO ₃ Particle Aggregates. ChemElectroChem, 2016, 3, 658-667.	3.4	11
21	Modification of Charge Trapping at Particle/Particle Interfaces by Electrochemical Hydrogen Doping of Nanocrystalline TiO ₂ . Journal of the American Chemical Society, 2016, 138, 15956-15964.	13.7	45
22	Sample preparation methods for scanning electron microscopy of homogenized Al-Mg-Si billets: A comparative study. Materials Characterization, 2016, 122, 63-69.	4.4	9
23	Solution-Dispersible Metal Nanorings with Deliberately Controllable Compositions and Architectural Parameters for Tunable Plasmonic Response. Nano Letters, 2015, 15, 5273-5278.	9.1	28
24	Coaxial lithography. Nature Nanotechnology, 2015, 10, 319-324.	31.5	97
25	Hybrid Semiconductor Core-Shell Nanowires with Tunable Plasmonic Nanoantennas. Advanced Materials, 2013, 25, 4515-4520.	21.0	28
26	Long-Range Plasmon Rulers. Nano Letters, 2013, 13, 2270-2275.	9.1	28
27	Facile Phase Transfer of Large, Water-Soluble Metal Nanoparticles to Nonpolar Solvents. Langmuir, 2012, 28, 2909-2913.	3.5	44
28	Dispersible Surface-Enhanced Raman Scattering Nanosheets. Advanced Materials, 2012, 24, 6065-6070.	21.0	70
29	Synthesis of Porous Metallic Monoliths via Chemical Reduction of Au(I) and Ag(I) Nanostructured Sheets. Chemistry of Materials, 2011, 23, 4954-4959.	6.7	20
30	Electrochemical synthesis of Ag(0)/Ag ₂ S heterojunctions templated on pre-formed Ag ₂ S nanowires. Nanoscale, 2011, 3, 1838.	5.6	13
31	Potential Controlled Electrochemical Conversion of AgCN and Cu(OH) ₂ Nanofibers into Metal Nanoparticles, Nanoprisms, Nanofibers, and Porous Networks. ACS Applied Materials & Interfaces, 2010, 2, 3745-3758.	8.0	5
32	1D Cu(OH) ₂ Nanomaterial Synthesis Templated in Water Microdroplets. Journal of the American Chemical Society, 2010, 132, 6657-6659.	13.7	54
33	Polymer Templated Synthesis of AgCN and Ag Nanowires. Chemistry of Materials, 2009, 21, 2020-2026.	6.7	47