Sara MartÃ--SÃ¡nchez

List of Publications by Year
in descending order

33 papers	1,358 citations	361413 20 h-index	395702 33 g-index
33 all docs	33 docs citations	33 times ranked	2169 citing authors

#	Article	IF	Citations
1	Engineering grain boundaries at theÂ2D limit for theÂhydrogen evolution reaction. Nature Communications, 2020, 11, 57.	12.8	153
2	High Thermoelectric Performance in Crystallographically Textured n-Type Bi₂Te_{3â€“x}Se_x Produced from Asymmetric Colloidal Nanocrystals. ACS Nano, 2018, 12, 7174-7184.	14.6	114
3	Template-Assisted Scalable Nanowire Networks. Nano Letters, 2018, 18, 2666-2671.	9.1	92
4	Crystallographically Textured Nanomaterials Produced from the Liquid Phase Sintering of Bi_xSb_{2â€“x}Te₃ Nanocrystal Building Blocks. Nano Letters, 2018, 18, 2557-2563.	9.1	89
5	Selectivity Map for Molecular Beam Epitaxy of Advanced IIIâ€“V Quantum Nanowire Networks. Nano Letters, 2019, 19, 218-227.	9.1	87
6	Selective-Area-Grown Semiconductor-Superconductor Hybrids: A Basis for Topological Networks. Physical Review Letters, 2018, 121, 147701.	7.8	83
7	Solution-based synthesis and processing of Sn- and Bi-doped Cu₃SbSe₄nanocrystals, nanomaterials and ring-shaped thermoelectric generators. Journal of Materials Chemistry A, 2017, 5, 2592-2602.	10.3	73
8	Mn₃O₄@CoMn₂O₄â€“Co_xO_yNanoparticle Partial Cation Exchange Synthesis and Electrocatalytic Properties toward the Oxygen Reduction and Evolution Reactions. ACS Applied Materials & Interfaces, 2016, 8, 17435-17444.	8.0	72
9	Field effect enhancement in buffered quantum nanowire networks. Physical Review Materials, 2018, 2, .	2.4	70
10	Role of Boron and Phosphorus in Enhanced Electrocatalytic Oxygen Evolution by Nickel Borides and Nickel Phosphides. ChemElectroChem, 2019, 6, 235-240.	3.4	62
11	Thermoelectric properties of semiconductor-metal composites produced by particle blending. APL Materials, 2016, 4, .	5.1	50
12	Semiconductorâ€“Ferromagnetic Insulatorâ€“Superconductor Nanowires: Stray Field and Exchange Field. Nano Letters, 2020, 20, 456-462.	9.1	49
13	Surface-Guided Coreâ€“Shell ZnSe@ZnTe Nanowires as Radial pâ€“n Heterojunctions with Photovoltaic Behavior. ACS Nano, 2017, 11, 6155-6166.	14.6	35
14	Fe₃O₄@NiFe_xO_y Nanoparticles with Enhanced Electrocatalytic Properties for Oxygen Evolution in Carbonate Electrolyte. ACS Applied Materials & Interfaces, 2016, 8, 29461-29469.	8.0	34
15	Optimizing the yield of A-polar GaAs nanowires to achieve defect-free zinc blende structure and enhanced optical functionality. Nanoscale, 2018, 10, 17080-17091.	5.6	31
16	Ballistic InSb Nanowires and Networks via Metal-Sown Selective Area Growth. Nano Letters, 2019, 19, 9102-9111.	9.1	31
17	The Role of Polarity in Nonplanar Semiconductor Nanostructures. Nano Letters, 2019, 19, 3396-3408.	9.1	31
18	Passivation layers for nanostructured photoanodes: ultra-thin oxides on InGaN nanowires. Journal of Materials Chemistry A, 2018, 6, 565-573.	10.3	26

#	Article	IF	Citations
19	IIIâ€“V Integration on Si(100): Vertical Nanospades. ACS Nano, 2019, 13, 5833-5840.	14.6	24
20	Coherent Epitaxial Semiconductorâ€“Ferromagnetic Insulator InAs/EuS Interfaces: Band Alignment and Magnetic Structure. ACS Applied Materials & Interfaces, 2020, 12, 8780-8787.	8.0	23
21	Controllable vapor phase fabrication of F:Mn₃O₄thin films functionalized with Ag and TiO₂. CrystEngComm, 2018, 20, 3016-3024.	2.6	15
22	Supported Mn₃O₄ Nanosystems for Hydrogen Production through Ethanol Photoreforming. Langmuir, 2018, 34, 4568-4574.	3.5	13
23	Growth of Auâ€“Pd₂Sn Nanorods via Galvanic Replacement and Their Catalytic Performance on Hydrogenation and Sonogashira Coupling Reactions. Langmuir, 2018, 34, 10634-10643.	3.5	13
24	Optical emission of GaN/AlN quantum-wires â€“ the role of charge transfer from a nanowire template. Nanoscale, 2018, 10, 5591-5598.	5.6	12
25	GaAs nanoscale membranes: prospects for seamless integration of IIIâ€“Vs on silicon. Nanoscale, 2020, 12, 815-824.	5.6	12
26	Segregation scheme of indium in AlGaInAs nanowire shells. Physical Review Materials, 2019, 3, .	2.4	11
27	3D Ordering at the Liquidâ€“Solid Polar Interface of Nanowires. Advanced Materials, 2020, 32, e2001030.	21.0	10
28	Sub-nanometer mapping of strain-induced band structure variations in planar nanowire core-shell heterostructures. Nature Communications, 2022, 13, .	12.8	10
29	High Magnetic Coercivity in Nanostructured Mn3O4 Thin Films Obtained by Chemical Vapor Deposition. ACS Applied Nano Materials, 2019, 2, 1704-1712.	5.0	9
30	Doubling the mobility of InAs/InGaAs selective area grown nanowires. Physical Review Materials, 2022, 6, .	2.4	8
31	Rotated domains in selective area epitaxy grown Zn₃P₂: formation mechanism and functionality. Nanoscale, 2021, 13, 18441-18450.	5.6	7
32	Colloidal Synthesis of CsX Nanocrystals (X = Cl, Br, I). Nanomaterials, 2018, 8, 506.	4.1	5
33	Optical Analysis of Oxygen Selfâ€Diffusion in Ultrathin CeO₂ Layers at Low Temperatures. Advanced Energy Materials, 2018, 8, 1802120.	19.5	4