

Sara Martínez-Sánchez

List of Publications by Year in descending order

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33
papers

1,358
citations

361413

20
h-index

395702

33
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33
all docs

33
docs citations

33
times ranked

2169
citing authors

#	ARTICLE	IF	CITATIONS
1	Doubling the mobility of InAs/InGaAs selective area grown nanowires. <i>Physical Review Materials</i> , 2022, 6, .	2.4	8
2	Sub-nanometer mapping of strain-induced band structure variations in planar nanowire core-shell heterostructures. <i>Nature Communications</i> , 2022, 13, .	12.8	10
3	Rotated domains in selective area epitaxy grown Zn ₃ P ₂ : formation mechanism and functionality. <i>Nanoscale</i> , 2021, 13, 18441-18450.	5.6	7
4	GaAs nanoscale membranes: prospects for seamless integration of III-Vs on silicon. <i>Nanoscale</i> , 2020, 12, 815-824.	5.6	12
5	Coherent Epitaxial Semiconductor-Ferromagnetic Insulator InAs/EuS Interfaces: Band Alignment and Magnetic Structure. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 8780-8787.	8.0	23
6	Engineering grain boundaries at the 2D limit for the hydrogen evolution reaction. <i>Nature Communications</i> , 2020, 11, 57.	12.8	153
7	Semiconductor-Ferromagnetic Insulator-Superconductor Nanowires: Stray Field and Exchange Field. <i>Nano Letters</i> , 2020, 20, 456-462.	9.1	49
8	3D Ordering at the Liquid-Solid Polar Interface of Nanowires. <i>Advanced Materials</i> , 2020, 32, e2001030.	21.0	10
9	Role of Boron and Phosphorus in Enhanced Electrocatalytic Oxygen Evolution by Nickel Borides and Nickel Phosphides. <i>ChemElectroChem</i> , 2019, 6, 235-240.	3.4	62
10	Ballistic InSb Nanowires and Networks via Metal-Sown Selective Area Growth. <i>Nano Letters</i> , 2019, 19, 9102-9111.	9.1	31
11	The Role of Polarity in Nonplanar Semiconductor Nanostructures. <i>Nano Letters</i> , 2019, 19, 3396-3408.	9.1	31
12	III-V Integration on Si(100): Vertical Nanospades. <i>ACS Nano</i> , 2019, 13, 5833-5840.	14.6	24
13	High Magnetic Coercivity in Nanostructured Mn ₃ O ₄ Thin Films Obtained by Chemical Vapor Deposition. <i>ACS Applied Nano Materials</i> , 2019, 2, 1704-1712.	5.0	9
14	Selectivity Map for Molecular Beam Epitaxy of Advanced III-V Quantum Nanowire Networks. <i>Nano Letters</i> , 2019, 19, 218-227.	9.1	87
15	Segregation scheme of indium in AlGaInAs nanowire shells. <i>Physical Review Materials</i> , 2019, 3, .	2.4	11
16	Supported Mn ₃ O ₄ Nanosystems for Hydrogen Production through Ethanol Photoreforming. <i>Langmuir</i> , 2018, 34, 4568-4574.	3.5	13
17	Optical emission of GaN/AlN quantum-wires - the role of charge transfer from a nanowire template. <i>Nanoscale</i> , 2018, 10, 5591-5598.	5.6	12
18	Controllable vapor phase fabrication of F:Mn ₃ O ₄ thin films functionalized with Ag and TiO ₂ . <i>CrystEngComm</i> , 2018, 20, 3016-3024.	2.6	15

#	ARTICLE	IF	CITATIONS
19	Template-Assisted Scalable Nanowire Networks. <i>Nano Letters</i> , 2018, 18, 2666-2671.	9.1	92
20	Crystallographically Textured Nanomaterials Produced from the Liquid Phase Sintering of Bi ₂ Sb ₂ Te ₃ Nanocrystal Building Blocks. <i>Nano Letters</i> , 2018, 18, 2557-2563.	9.1	89
21	Passivation layers for nanostructured photoanodes: ultra-thin oxides on InGaN nanowires. <i>Journal of Materials Chemistry A</i> , 2018, 6, 565-573.	10.3	26
22	Selective-Area-Grown Semiconductor-Superconductor Hybrids: A Basis for Topological Networks. <i>Physical Review Letters</i> , 2018, 121, 147701.	7.8	83
23	Optimizing the yield of A-polar GaAs nanowires to achieve defect-free zinc blende structure and enhanced optical functionality. <i>Nanoscale</i> , 2018, 10, 17080-17091.	5.6	31
24	Optical Analysis of Oxygen Self-Diffusion in Ultrathin CeO ₂ Layers at Low Temperatures. <i>Advanced Energy Materials</i> , 2018, 8, 1802120.	19.5	4
25	High Thermoelectric Performance in Crystallographically Textured n-Type Bi ₂ Te ₃ Se Produced from Asymmetric Colloidal Nanocrystals. <i>ACS Nano</i> , 2018, 12, 7174-7184.	14.6	114
26	Colloidal Synthesis of CsX Nanocrystals (X = Cl, Br, I). <i>Nanomaterials</i> , 2018, 8, 506.	4.1	5
27	Growth of Au-Pd ₂ Sn Nanorods via Galvanic Replacement and Their Catalytic Performance on Hydrogenation and Sonogashira Coupling Reactions. <i>Langmuir</i> , 2018, 34, 10634-10643.	3.5	13
28	Field effect enhancement in buffered quantum nanowire networks. <i>Physical Review Materials</i> , 2018, 2, .	2.4	70
29	Surface-Guided Core-Shell ZnSe@ZnTe Nanowires as Radial n Heterojunctions with Photovoltaic Behavior. <i>ACS Nano</i> , 2017, 11, 6155-6166.	14.6	35
30	Solution-based synthesis and processing of Sn- and Bi-doped Cu ₃ SbSe ₄ nanocrystals, nanomaterials and ring-shaped thermoelectric generators. <i>Journal of Materials Chemistry A</i> , 2017, 5, 2592-2602.	10.3	73
31	Thermoelectric properties of semiconductor-metal composites produced by particle blending. <i>APL Materials</i> , 2016, 4, .	5.1	50
32	Fe ₃ O ₄ @NiFeO Nanoparticles with Enhanced Electrocatalytic Properties for Oxygen Evolution in Carbonate Electrolyte. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 29461-29469.	8.0	34
33	Mn ₃ O ₄ @CoMn ₂ O ₄ Co _x O _y Nanoparticles: Partial Cation Exchange Synthesis and Electrocatalytic Properties toward the Oxygen Reduction and Evolution Reactions. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 17435-17444.	8.0	72