Sara Catalano

List of Publications by Year
in descending order

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25	1,166	516710 16	552781 26
papers	citations	h-index	g-index

26	26	26	1792
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rare-earth nickelatesRNiO₃: thin films and heterostructures. Reports on Progress in Physics, 2018, 81, 046501.	20.1	291
2	Ground-state oxygen holes and the metalâ€“insulator transition in the negative charge-transfer rare-earth nickelates. Nature Communications, 2016, 7, 13017.	12.8	193
3	Interfacial Control of Magnetic Properties at LaMnO₃/LaNiO₃ Interfaces. Nano Letters, 2015, 15, 7355-7361.	9.1	87
4	Electronic transitions in strained SmNiO₃ thin films. APL Materials, 2014, 2, 116110.	5.1	76
5	Conductivity and Local Structure of LaNiO₃ Thin Films. Advanced Materials, 2017, 29, 1605197.	21.0	63
6	Interlayer coupling through a dimensionality-induced magnetic state. Nature Communications, 2016, 7, 11227.	12.8	58
7	Striped nanoscale phase separation at the metalâ€“insulator transition of heteroepitaxial nickelates. Nature Communications, 2016, 7, 13141.	12.8	58
8	Tailoring the electronic transitions of NdNiO₃ films through (111)_{pc} oriented interfaces. APL Materials, 2015, 3, 062506.	5.1	57
9	Length scales of interfacial coupling between metal and insulator phases in oxides. Nature Materials, 2020, 19, 1182-1187.	27.5	42
10	Optical spectroscopy and the nature of the insulating state of rare-earth nickelates. Physical Review B, 2015, 92, .	3.2	38
11	Complex magnetic order in nickelate slabs. Nature Physics, 2018, 14, 1097-1102.	16.7	37
12	Scale-invariant magnetic textures in the strongly correlated oxide NdNiO3. Nature Communications, 2019, 10, 4568.	12.8	30
13	Impact of antiferromagnetism on the optical properties of rare-earth nickelates. Physical Review B, 2017, 96, .	3.2	22
14	Multiple Supersonic Phase Fronts Launched at a Complex-Oxide Heterointerface. Physical Review Letters, 2017, 118, 027401.	7.8	21
15	Broadband terahertz spectroscopy of the insulator-metal transition driven by coherent lattice deformation at the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SmNi</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mo>/</mml:mo><mml:mi>LaAl</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>interface. Physical Review B, 2016, 93, .	3.2	20
16	Nanoscale Correlations between Metalâ€“Insulator Transition and Resistive Switching Effect in Metallic Perovskite Oxides. Small, 2020, 16, e2001307.	10.0	20
17	Roomâ€Temperature Operation of a pâ€Type Molecular Spin Photovoltaic Device on a Transparent Substrate. Advanced Materials, 2020, 32, e1906908.	21.0	20
18	Electronic structure of buried LaNiO3 layers in (111)-oriented LaNiO3/LaMnO3 superlattices probed by soft x-ray ARPES. APL Materials, 2017, 5, .	5.1	9

#	Article	IF	Citations
19	Top dielectric induced ambipolarity in an n-channel dual-gated organic field effect transistor. Journal of Materials Chemistry C, 2019, 7, 10389-10393.	5.5	5
20	Light control of the nanoscale phase separation in heteroepitaxial nickelates. Physical Review Materials, 2018, 2, .	2.4	5
21	Optical properties of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>La</mml:mi><mml:mi>Ni</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> films tuned from compressive to tensile strain. Physical Review B, 2020, 102, .	3.2	4
22	A new hip-pocket frog from mid-eastern Australia (Anura: Myobatrachidae: Assa). Zootaxa, 2021, 5057, 451-486.	0.5	3
23	STEM-EELS Investigation of Charge and Strain Distributions in Perovskite Oxide Thin Films. Microscopy and Microanalysis, 2017, 23, 1610-1611.	0.4	2
24	Tuning ambipolarity in a polymer field effect transistor using graphene electrodes. Journal of Materials Chemistry C, 2020, 8, 8120-8124.	5.5	2
25	Spin Hall Magnetoresistance Effect from a Disordered Interface. ACS Applied Materials & Interfaces, 2022, 14, 8598-8604.	8.0	2