

Sara Catalano

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

1,166
citations

516710

16
h-index

552781

26
g-index

26
all docs

26
docs citations

26
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Hall Magnetoresistance Effect from a Disordered Interface. ACS Applied Materials & Interfaces, 2022, 14, 8598-8604.	8.0	2
2	A new hip-pocket frog from mid-eastern Australia (Anura: Myobatrachidae: Assa). Zootaxa, 2021, 5057, 451-486.	0.5	3
3	Length scales of interfacial coupling between metal and insulator phases in oxides. Nature Materials, 2020, 19, 1182-1187.	27.5	42
4	Optical properties of LaO_3/NiO films tuned from compressive to tensile strain. Physical Review B, 2020, 102, .	3.2	4
5	Tuning ambipolarity in a polymer field effect transistor using graphene electrodes. Journal of Materials Chemistry C, 2020, 8, 8120-8124.	5.5	2
6	Nanoscale Correlations between Metal-Insulator Transition and Resistive Switching Effect in Metallic Perovskite Oxides. Small, 2020, 16, e2001307.	10.0	20
7	Room-Temperature Operation of a p-Type Molecular Spin Photovoltaic Device on a Transparent Substrate. Advanced Materials, 2020, 32, e1906908.	21.0	20
8	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
9	Scale-invariant magnetic textures in the strongly correlated oxide NdNiO ₃ . Nature Communications, 2019, 10, 4568.	12.8	30
10	Rare-earth nickelates RNiO_3 : thin films and heterostructures. Reports on Progress in Physics, 2018, 81, 046501.	20.1	291
11	Complex magnetic order in nickelate slabs. Nature Physics, 2018, 14, 1097-1102.	16.7	37
12	Light control of the nanoscale phase separation in heteroepitaxial nickelates. Physical Review Materials, 2018, 2, .	2.4	5
13	Electronic structure of buried LaNiO_3 layers in (111)-oriented $\text{LaNiO}_3/\text{LaMnO}_3$ superlattices probed by soft x-ray ARPES. APL Materials, 2017, 5, .	5.1	9
14	Conductivity and Local Structure of LaNiO_3 Thin Films. Advanced Materials, 2017, 29, 1605197.	21.0	63
15	Impact of antiferromagnetism on the optical properties of rare-earth nickelates. Physical Review B, 2017, 96, .	3.2	22
16	STEM-EELS Investigation of Charge and Strain Distributions in Perovskite Oxide Thin Films. Microscopy and Microanalysis, 2017, 23, 1610-1611.	0.4	2
17	Multiple Supersonic Phase Fronts Launched at a Complex-Oxide Heterointerface. Physical Review Letters, 2017, 118, 027401.	7.8	21
18	Broadband terahertz spectroscopy of the insulator-metal transition driven by coherent lattice deformation at the $\text{SmNiO}_3/\text{LaAlO}_3$ interface. Physical Review B, 2016, 93, .	3.2	20

#	ARTICLE	IF	CITATIONS
19	Interlayer coupling through a dimensionality-induced magnetic state. Nature Communications, 2016, 7, 11227.	12.8	58
20	Ground-state oxygen holes and the metal-insulator transition in the negative charge-transfer rare-earth nickelates. Nature Communications, 2016, 7, 13017.	12.8	193
21	Striped nanoscale phase separation at the metal-insulator transition of heteroepitaxial nickelates. Nature Communications, 2016, 7, 13141.	12.8	58
22	Optical spectroscopy and the nature of the insulating state of rare-earth nickelates. Physical Review B, 2015, 92, .	3.2	38
23	Tailoring the electronic transitions of NdNiO ₃ films through (111) _{pc} oriented interfaces. APL Materials, 2015, 3, 062506.	5.1	57
24	Interfacial Control of Magnetic Properties at LaMnO ₃ /LaNiO ₃ Interfaces. Nano Letters, 2015, 15, 7355-7361.	9.1	87
25	Electronic transitions in strained SmNiO ₃ thin films. APL Materials, 2014, 2, 116110.	5.1	76