Alessandro Vindigni

List of Publications by Year
in descending order

25	3,996	516681 16	642715 23
papers	citations	h-index	g-index

29	29	29	3991
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. Angewandte Chemie - International Edition, 2001, 40, 1760-1763.	13.8	1,074
2	Rad51-mediated replication fork reversal is a global response to genotoxic treatments in human cells. Journal of Cell Biology, 2015, 208, 563-579.	5.2	549
3	Single chain magnets: where to from here?. Journal of Materials Chemistry, 2008, 18, 4750.	6.7	380
4	Human RECQ1 promotes restart of replication forks reversed by DNA topoisomerase I inhibition. Nature Structural and Molecular Biology, 2013, 20, 347-354.	8.2	370
5	MRE11 and EXO1 nucleases degrade reversed forks and elicit MUS81-dependent fork rescue in BRCA2-deficient cells. Nature Communications, 2017, 8, 860.	12.8	311
6	Replication Fork Reversal: Players and Guardians. Molecular Cell, 2017, 68, 830-833.	9.7	218
7	Replication stress: getting back on track. Nature Structural and Molecular Biology, 2016, 23, 103-109.	8.2	199
8	The Canted Antiferromagnetic Approach to Single-Chain Magnets. Journal of the American Chemical Society, 2008, 130, 1619-1627.	13.7	180
9	One-Dimensional Supramolecular Organization of Single-Molecule Magnets. Journal of the American Chemical Society, 2007, 129, 5045-5051.	13.7	168
10	A Cell-Intrinsic Interferon-like Response Links Replication Stress to Cellular Aging Caused by Progerin. Cell Reports, 2018, 22, 2006-2015.	6.4	93
11	Quantum dynamics of a single molecule magnet on superconducting Pb(111). Nature Materials, 2020, 19, 546-551.	27.5	62
12	Electric field modulation of magnetic exchange in molecular helices. Nature Materials, 2019, 18, 329-334.	27.5	60
13	Fast switching of bistable magnetic nanowires through collective spin reversal. Applied Physics Letters, 2005, 87, 073102.	3.3	37
14	Static and dynamic properties of single-chain magnets with sharp and broad domain walls. Physical Review B, 2011, 84, .	3.2	30
15	Stripe width and nonlocal domain walls in the two-dimensional dipolar frustrated Ising ferromagnet. Physical Review B, 2008, 77, .	3.2	29
16	Single-Chain Magnets. Nanoscience and Technology, 2014, , 191-220.	1.5	17
17	Combined first-principles and thermodynamic approach to<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>M</mml:mi></mml:math>-nitronyl nitroxide<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mi>M</mml:mi></mml:math>=) Tj ETQq1 1 0.78	3.2	15
18	[TDNQ][CoCp*₂] and [TDNQ]₃[CoCp₂]₂; Radical Anions of a 1,2,5-Thiadiazolo-naphthoquinone. Crystal Growth and Design, 2011, 11, 2520-2527.	3.0	14

#	Article	IF	Citations
19	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. , 2001, 40, 1760.		11
20	Selection rules for single-chain-magnet behaviour in non-collinear Ising systems. Journal of Physics Condensed Matter, 2009, 21, 236007.	1.8	9
21	Domain-wall free energy in Heisenberg ferromagnets. Physical Review B, 2014, 89, .	3.2	6
22	Cobalt(II)-Nitronyl Nitroxide Chains as Molecular Magnetic Nanowires. , 2001, 40, 1760.		3
23	Coexistence of dipolar frustration and criticality in ferromagnets. Physical Review E, 2018, 98, .	2.1	1
24	Temperature-Induced Domain Shrinking in Ising Ferromagnets Frustrated by a Long-Range Interaction. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 783-786.	0.3	1
25	Scaling in Modulated Systems. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 865-867.	0.3	0