Angelo Valli

List of Publications by Year
in descending order

28 papers	720 citations	567281 15 h-index	526287 27 g-index
28 all docs	28 docs citations	28 times ranked	509 citing authors

#	Article	IF	Citations
1	Enhancing the sensitivity and selectivity of pyrene-based sensors for detection of small gaseous molecules via destructive quantum interference. Physical Review B, 2022, 105, .	3.2	2
2	Electrode effects on the observability of destructive quantum interference in single-molecule junctions. Nanoscale, 2021, 13, 17011-17021.	5.6	2
3	Designing a mechanically driven spin-crossover molecular switch via organic embedding. Nanoscale Advances, 2021, 3, 4990-4995.	4.6	8
4	Synergy between Hund-Driven Correlations and Boson-Mediated Superconductivity. Physical Review Letters, 2020, 125, 177001.	7.8	12
5	Smart local orbitals for efficient calculations within density functional theory and beyond. Journal of Chemical Physics, 2020, 153, 194103.	3.0	8
6	Boson-exchange parquet solver for dual fermions. Physical Review B, 2020, 102, .	3.2	26
7	Inducing and controlling magnetism in the honeycomb lattice through a harmonic trapping potential. Physical Review A, 2020, 101, .	2.5	4
8	Kondo screening in Co adatoms with full Coulomb interaction. Physical Review Research, 2020, 2, .	3.6	9
9	Interplay between destructive quantum interference and symmetry-breaking phenomena in graphene quantum junctions. Physical Review B, 2019, 100, .	3.2	20
10	Towards high-temperature coherence-enhanced transport in heterostructures of a few atomic layers. Physical Review B, 2019, 100, .	3.2	11
11	Single-boson exchange decomposition of the vertex function. Physical Review B, 2019, 100, .	3.2	36
12	Parquet approximation for molecules: Spectrum and optical conductivity of the Pariser-Parr-Pople model. Physical Review B, 2019, 99, .	3.2	18
13	Parquetlike equations for the Hedin three-leg vertex. Physical Review B, 2019, 100, .	3.2	20
14	Quantum Interference Assisted Spin Filtering in Graphene Nanoflakes. Nano Letters, 2018, 18, 2158-2164.	9.1	38
15	Emergent <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>D</mml:mi><mml:mn>6</mml:mn></mml:msub></mml:math> symmetry in fully relaxed magic-angle twisted bilayer graphene. Physical Review B, 2018, 98, .	3.2	64
16	Coexistence of metallic edge states and antiferromagnetic ordering in correlated topological insulators. Physical Review B, 2018, 98, .	3.2	15
17	Realistic theory of electronic correlations in nanoscopic systems. European Physical Journal: Special Topics, 2017, 226, 2615-2640.	2.6	21
18	Effective magnetic correlations in hole-doped graphene nanoflakes. Physical Review B, 2016, 94, .	3.2	23

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19	Tunable site- and orbital-selective Mott transition and quantum confinement effects in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mtext>La</mml:mtext><mml:mrow><mml:mml:m> Physical Review B, 2015, 92, .	3.2	16
20	Dynamical vertex approximation in its parquet implementation: Application to Hubbard nanorings. Physical Review B, 2015, 91, .	3.2	78
21	Double exchange model for nanoscopic clusters. European Physical Journal B, 2013, 86, 1.	1.5	4
22	Correlation effects in transport properties of interacting nanostructures. Physical Review B, 2012, 86, .	3.2	24
23	Local electronic correlation at the two-particle level. Physical Review B, 2012, 86, .	3.2	154
24	DasetÂal.Reply:. Physical Review Letters, 2012, 108, .	7.8	3
25	Size Control of Charge-Orbital Order in Half-Doped Manganite<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>La</mml:mi><mml:mn>0.5</mml:mn></mml:msub><mml:msub><mml:mi>Ca</mml:mi><mml:mn> Physical Review Letters, 2011, 107, 197202.	7.8	43
26	Dynamical Vertex Approximation for Nanoscopic Systems. Physical Review Letters, 2010, 104, 246402.	7.8	50
27	Fourier transformation and response functions. Physical Review B, 2010, 82, .	3.2	7
28	Possible secondary component of the order parameter observed in London penetration depth measurements. Physical Review B, 2010, 82, .	3.2	4