

# Angelo Valli

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2742092/publications.pdf>

Version: 2024-02-01

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  | Local electronic correlation at the two-particle level. Physical Review B, 2012, 86, .  | 3.2 | 154       |
| 2  | Dynamical vertex approximation in its parquet implementation: Application to Hubbard nanorings. Physical Review B, 2015, 91, .                    | 3.2 | 78        |
| 3  | Emergent $D_6$ symmetry in fully relaxed magic-angle twisted bilayer graphene. Physical Review B, 2018, 98, .                                     | 3.2 | 43        |
| 4  | Dynamical Vertex Approximation for Nanoscopic Systems. Physical Review Letters, 2010, 104, 246402.  | 7.8 | 50        |
| 5  | Size Control of Charge-Orbital Order in Half-Doped Manganite $La_{0.5}Ca_{0.5}MnO_3$ . Physical Review Letters, 2011, 107, 197202.                | 7.8 | 43        |
| 6  | Quantum Interference Assisted Spin Filtering in Graphene Nanoflakes. Nano Letters, 2018, 18, 2158-2164.   | 9.1 | 38        |
| 7  | Single-boson exchange decomposition of the vertex function. Physical Review B, 2019, 100, .   | 3.2 | 36        |
| 8  | Boson-exchange parquet solver for dual fermions. Physical Review B, 2020, 102, .  | 3.2 | 26        |
| 9  | Correlation effects in transport properties of interacting nanostructures. Physical Review B, 2012, 86, .   | 3.2 | 24        |
| 10 | Effective magnetic correlations in hole-doped graphene nanoflakes. Physical Review B, 2016, 94, .   | 3.2 | 23        |
| 11 | Realistic theory of electronic correlations in nanoscopic systems. European Physical Journal: Special Topics, 2017, 226, 2615-2640.               | 2.6 | 21        |
| 12 | Interplay between destructive quantum interference and symmetry-breaking phenomena in graphene quantum junctions. Physical Review B, 2019, 100, . | 3.2 | 20        |
| 13 | Parquetlike equations for the Hedin three-leg vertex. Physical Review B, 2019, 100, .   | 3.2 | 20        |
| 14 | Parquet approximation for molecules: Spectrum and optical conductivity of the Pariser-Parr-Pople model. Physical Review B, 2019, 99, .            | 3.2 | 18        |
| 15 | Tunable site- and orbital-selective Mott transition and quantum confinement effects in $LaMnO_3$ . Physical Review B, 2015, 92, .                 | 3.2 | 16        |
| 16 | Coexistence of metallic edge states and antiferromagnetic ordering in correlated topological insulators. Physical Review B, 2018, 98, .           | 3.2 | 15        |
| 17 | Synergy between Hund-Driven Correlations and Boson-Mediated Superconductivity. Physical Review Letters, 2020, 125, 177001.                        | 7.8 | 12        |
| 18 | Towards high-temperature coherence-enhanced transport in heterostructures of a few atomic layers. Physical Review B, 2019, 100, .                 | 3.2 | 11        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Kondo screening in Co adatoms with full Coulomb interaction. <i>Physical Review Research</i> , 2020, 2, .  | 3.6 | 9         |
| 20 | Smart local orbitals for efficient calculations within density functional theory and beyond. <i>Journal of Chemical Physics</i> , 2020, 153, 194103.                                     | 3.0 | 8         |
| 21 | Designing a mechanically driven spin-crossover molecular switch <i>via</i> organic embedding. <i>Nanoscale Advances</i> , 2021, 3, 4990-4995.  | 4.6 | 8         |
| 22 | Fourier transformation and response functions. <i>Physical Review B</i> , 2010, 82, .  | 3.2 | 7         |
| 23 | Possible secondary component of the order parameter observed in London penetration depth measurements. <i>Physical Review B</i> , 2010, 82, .  | 3.2 | 4         |
| 24 | Double exchange model for nanoscopic clusters. <i>European Physical Journal B</i> , 2013, 86, 1.   | 1.5 | 4         |
| 25 | Inducing and controlling magnetism in the honeycomb lattice through a harmonic trapping potential. <i>Physical Review A</i> , 2020, 101, .   | 2.5 | 4         |
| 26 | DasetÅal.Reply:. <i>Physical Review Letters</i> , 2012, 108, .   | 7.8 | 3         |
| 27 | Electrode effects on the observability of destructive quantum interference in single-molecule junctions. <i>Nanoscale</i> , 2021, 13, 17011-17021.                                       | 5.6 | 2         |
| 28 | Enhancing the sensitivity and selectivity of pyrene-based sensors for detection of small gaseous molecules via destructive quantum interference. <i>Physical Review B</i> , 2022, 105, . | 3.2 | 2         |