

# Domenico Di Sante

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2373493/publications.pdf>

Version: 2024-02-01

37  
papers

2,259  
citations

279798

23  
h-index

330143

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37  
docs citations

37  
times ranked

3338  
citing authors

#	ARTICLE	IF	CITATIONS
1	Twofold van Hove singularity and origin of charge order in topological kagome superconductor CsV3Sb5. <i>Nature Physics</i> , 2022, 18, 301-308.	16.7	176
2	Evidence of a 2D Electron Gas in a Single Unit Cell of Anatase TiO <sub>2</sub> (001). <i>Advanced Science</i> , 2022, 9, e2105114.	11.2	7
3	Van Hove tuning of $A$ $V_3Sb_5$ kagome metals under pressure and strain. <i>Physical Review B</i> , 2022, 105, .	3.2	17
4	Triplet Superconductivity from Nonlocal Coulomb Repulsion in an Atomic Sn Layer Deposited onto a Si(111) Substrate. <i>Physical Review Letters</i> , 2022, 128, 167002.	7.8	23
5	Nanoscale synthesis of ionic analogues of bilayer silicene with high carrier mobility. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8545-8551.	5.5	4
6	Momentum-space signatures of Berry flux monopoles in the Weyl semimetal TaAs. <i>Nature Communications</i> , 2021, 12, 3650.	12.8	20
7	From high $T_c$ to low $T_c$ Multidital effects in transition metal pnictides. <i>Physical Review B</i> , 2021, 104, .	3.2	6
8	Design and realization of topological Dirac fermions on a triangular lattice. <i>Nature Communications</i> , 2021, 12, 5396.	12.8	19
9	Momentum for Catalysis: How Surface Reactions Shape the RuO <sub>2</sub> Flat Surface State. <i>ACS Catalysis</i> , 2021, 11, 1749-1757.	11.2	8
10	Nature of Unconventional Pairing in the Kagome Superconductors $V_3Sb_5$		

#	ARTICLE	IF	CITATIONS
19	Orbital Fingerprint of Topological Fermi Arcs in the Weyl Semimetal TaP. <i>Physical Review Letters</i> , 2019, 122, 116402.	7.8	22
20	Ferroelectric Control of the Spin Texture in GeTe. <i>Nano Letters</i> , 2018, 18, 2751-2758.	9.1	114
21	Dipole Order in Halide Perovskites: Polarization and Rashba Band Splittings. <i>Journal of Physical Chemistry C</i> , 2017, 121, 23045-23054.	3.1	56
22	Three-Dimensional Electronic Structure of the Type-II Weyl Semimetal $WTe_2$ . <i>Physical Review Letters</i> , 2017, 119, 026403.	7.8	55
23	Giant Rashba Splitting in $Pb_{1-x}Sn_xTe(111)$ Topological Crystalline Insulator Films Controlled by Bi Doping in the Bulk. <i>Advanced Materials</i> , 2017, 29, 1604185.	21.0	44
24	Dimensionality-Driven Metal-Insulator Transition in Spin-Orbit-Coupled $SrIrO_3$ . <i>Physical Review Letters</i> , 2017, 119, 256404.	7.8	81
25	Giant Rashba Type Spin Splitting in Ferroelectric $GeTe(111)$ . <i>Advanced Materials</i> , 2016, 28, 560-565.	21.0	155
26	Robust spin-polarized midgap states at step edges of topological crystalline insulators. <i>Science</i> , 2016, 354, 1269-1273.	12.6	91
27	Analogies between Jahn-Teller and Rashba spin physics. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 1442-1450.	2.0	3
28	Lone-Pair-Electron-Driven Ionic Displacements in a Ferroelectric Metal-Organic Hybrid. <i>Inorganic Chemistry</i> , 2016, 55, 10337-10342.	4.0	51
29	Intertwined Rashba, Dirac, and Weyl Fermions in Hexagonal Hyperferroelectrics. <i>Physical Review Letters</i> , 2016, 117, 076401.	7.8	42
30	Possibility of combining ferroelectricity and Rashba-like spin splitting in monolayers of the transition-metal dichalcogenides $T_1X_2$ .		

#	ARTICLE	IF	CITATIONS
37	Structural, electronic and ferroelectric properties of croconic acid crystal: a DFT study. Physical Chemistry Chemical Physics, 2012, 14, 14673.	2.8	39