

Rozzi Ca

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

2,563
citations

567281

15
h-index

395702

33
g-index

43
all docs

43
docs citations

43
times ranked

3198
citing authors

#	ARTICLE	IF	CITATIONS
1	A listening experiment comparing the timbre of two Stradivari with other violins. <i>Journal of the Acoustical Society of America</i> , 2022, 151, 443-450.	1.1	5
2	Indoor noise level measurements and subjective comfort: Feasibility of smartphone-based participatory experiments. <i>PLoS ONE</i> , 2022, 17, e0262835.	2.5	2
3	Intermolecular conical intersections in molecular aggregates. <i>Nature Nanotechnology</i> , 2021, 16, 63-68.	31.5	22
4	Roadmap on bio-nano-photonics. <i>Journal of Optics (United Kingdom)</i> , 2021, 23, 073001.	2.2	4
5	Density functional approach to the band gaps of finite and periodic two-dimensional systems. <i>Physical Review B</i> , 2021, 104, .	3.2	2
6	Nonlinear light absorption in many-electron systems excited by an instantaneous electric field: a non-perturbative approach. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 10059-10069.	2.8	11
7	Understanding real-time time-dependent density-functional theory simulations of ultrafast laser-induced dynamics in organic molecules. <i>Journal of Chemical Physics</i> , 2020, 153, 054106.	3.0	25
8	Octopus, a computational framework for exploring light-driven phenomena and quantum dynamics in extended and finite systems. <i>Journal of Chemical Physics</i> , 2020, 152, 124119.	3.0	210
9	Prototyping Ultrafast Charge Separation by Means of Time-Dependent Density Functional Methods. , 2020, , 325-343.		0
10	Nonequilibrium Solvent Polarization Effects in Real-Time Electronic Dynamics of Solute Molecules Subject to Time-Dependent Electric Fields: A New Feature of the Polarizable Continuum Model. <i>Journal of Chemical Theory and Computation</i> , 2019, 15, 2306-2319.	5.3	9
11	Fundamental gaps of quantum dots on the cheap. <i>Physical Review B</i> , 2019, 99, .	3.2	5
12	Quantum modeling of ultrafast photoinduced charge separation. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 013002.	1.8	29
13	Prototyping Ultrafast Charge Separation by Means of Time-Dependent Density Functional Methods. , 2018, , 1-19.		0
14	Bonds, lone pairs, and shells probed by means of on-top dynamical correlations. <i>European Physical Journal B</i> , 2018, 91, 1.	1.5	6
15	Tracking the coherent generation of polaron pairs in conjugated polymers. <i>Nature Communications</i> , 2016, 7, 13742.	12.8	149
16	Stability of the Dirac cone in artificial graphene formed in quantum wells: a computational many-electron study. <i>New Journal of Physics</i> , 2016, 18, 083014.	2.9	7
17	Modeling solvation effects in real-space and real-time within density functional approaches. <i>Journal of Chemical Physics</i> , 2015, 143, 144111.	3.0	10
18	Charge Separation Dynamics and Optoelectronic Properties of a Diaminoterephthalate-60 Dyad. <i>Advanced Functional Materials</i> , 2015, 25, 2047-2053.	14.9	16

#	ARTICLE	IF	CITATIONS
19	Ab initio theory of spin entanglement in atoms and molecules. Physical Review B, 2015, 91, .	3.2	5
20	A Diaminoterephthalate-C60 Dyad: A New Material for Optoelectronic Applications. Synthesis, 2015, 47, 1325-1328.	2.3	15
21	Same-spin dynamical correlation effects on the electron localization. Journal of Self-Assembly and Molecular Electronics (SAME), 2015, 2015, 1-14.	0.0	0
22	Probing Coherent Ultrafast Exciton Dissociation in a Polymer:Fullerene Photovoltaic Absorber. , 2015, , .		0
23	Coherent ultrafast charge transfer in an organic photovoltaic blend. , 2014, , .		0
24	Coherent ultrafast charge transfer in an organic photovoltaic blend. Science, 2014, 344, 1001-1005.	12.6	470
25	Ab Initio Simulation of Optical Limiting: The Case of Metal-Free Phthalocyanine. Physical Review Letters, 2014, 112, 198303.	7.8	29
26	Quantum coherence controls the charge separation in a prototypical artificial light-harvesting system. Nature Communications, 2013, 4, 1602.	12.8	239
27	Educational pathways through nanoscience: nitinol as a paradigmatic smart material. Physics Education, 2013, 48, 298-311.	0.5	1
28	Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. , 2013, , .		1
29	Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. EPJ Web of Conferences, 2013, 41, 08017.	0.3	0
30	Electron-Electron Interactions in Artificial Graphene. Physical Review Letters, 2012, 108, 246803.	7.8	32
31	Quantum coherence controls the charge separation in a prototypical artificial light harvesting system. , 2012, , .		0
32	Exact Coulomb cutoff technique for supercell calculations in two dimensions. Physical Review B, 2009, 80, .	3.2	13
33	Photoexcitation of a Light-Harvesting Supramolecular Triad: A Time-Dependent DFT Study. Journal of Physical Chemistry B, 2009, 113, 5345-5349.	2.6	41
34	Light tuning of the image potential state electron-electron interactions. Surface Science, 2008, 602, 2983-2988.	1.9	4
35	Exact Coulomb cutoff technique for supercell calculations. Physical Review B, 2006, 73, .	3.2	369
36	octopus: a tool for the application of time-dependent density functional theory. Physica Status Solidi (B): Basic Research, 2006, 243, 2465-2488.	1.5	756

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37	Correlation effects on the electronic properties of Bi ₂ Sr ₂ CaCu ₂ O ₈ . Journal of Physics and Chemistry of Solids, 2006, 67, 286-288.	4.0	2
38	Theoretical simulation of core-level photoemission in transition-metal oxides. Physical Review B, 2005, 72, .	3.2	3
39	Spin dependent many-body effects in the photoemission of Co. Journal of Electron Spectroscopy and Related Phenomena, 2004, 137-140, 523-527.	1.7	0
40	Ab initio Fermi surface and conduction-band calculations in oxygen-reduced MoO ₃ . Physical Review B, 2003, 68, .	3.2	26
41	Quenching of Majority-Channel Quasiparticle Excitations in Cobalt. Physical Review Letters, 2002, 88, 236402.	7.8	38
42	Band-structure effects in the core-level photoemission spectra of NiO. Physical Review B, 2000, 62, R4774-R4777.	3.2	7