

Peter Elliott

List of Publications by Year in descending order

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38
papers

1,786
citations

331259

21
h-index

301761

39
g-index

39
all docs

39
docs citations

39
times ranked

1580
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser-Induced Demagnetization at Ultrashort Time Scales: Predictions of TDDFT. Journal of Chemical Theory and Computation, 2015, 11, 4870-4874.	2.3	167
2	Perspectives on double-excitations in TDDFT. Chemical Physics, 2011, 391, 110-119.	0.9	157
3	Partition density-functional theory. Physical Review A, 2010, 82, .	1.0	141
4	Laser-Induced Intersite Spin Transfer. Nano Letters, 2018, 18, 1842-1848.	4.5	128
5	Universal Dynamical Steps in the Exact Time-Dependent Exchange-Correlation Potential. Physical Review Letters, 2012, 109, 266404.	2.9	87
6	Semiclassical Origins of Density Functionals. Physical Review Letters, 2008, 100, 256406.	2.9	85
7	Non-empirical derivation of the parameter in the B88 exchange functional. Canadian Journal of Chemistry, 2009, 87, 1485-1491.	0.6	85
8	Dynamics of Charge-Transfer Processes with Time-Dependent Density Functional Theory. Journal of Physical Chemistry Letters, 2013, 4, 735-739.	2.1	77
9	Density Functional Partition Theory with Fractional Occupations. Journal of Chemical Theory and Computation, 2009, 5, 827-833.	2.3	68
10	Spin Flips versus Spin Transport in Nonthermal Electrons Excited by Ultrashort Optical Pulses in Transition Metals. Physical Review Letters, 2017, 119, 107203.	2.9	67
11	Optical inter-site spin transfer probed by energy and spin-resolved transient absorption spectroscopy. Nature Communications, 2020, 11, 871.	5.8	66
12	Ultrafast laser induced local magnetization dynamics in Heusler compounds. Scientific Reports, 2016, 6, 38911.	1.6	60
13	Competing Spin Transfer and Dissipation at Co/Cu Interfaces. Physical Review Letters, 2019, 122, 067202.	2.9	48
14	Ultrafast demagnetization in bulk versus thin films: an <i>ab initio</i> study. Journal of Physics Condensed Matter, 2017, 29, 224001.	0.7	42
15	Electronic Structure via Potential Functional Approximations. Physical Review Letters, 2011, 106, 236404.	2.9	39
16	Propagation of initially excited states in time-dependent density-functional theory. Physical Review A, 2012, 85, .	1.0	37
17	Efficiency of ultrafast optically induced spin transfer in Heusler compounds. Physical Review Research, 2020, 2, .	1.3	29
18	Leading corrections to local approximations. Physical Review B, 2010, 81, .	1.1	27

#	ARTICLE	IF	CITATIONS
19	Kinetic and interaction components of the exact time-dependent correlation potential. <i>Journal of Chemical Physics</i> , 2014, 140, 18A515.	1.2	25
20	Corrections to Thomas-Fermi Densities at Turning Points and Beyond. <i>Physical Review Letters</i> , 2015, 114, 050401.	2.9	23
21	Element Specificity of Transient Extreme Ultraviolet Magnetic Dichroism. <i>Physical Review Letters</i> , 2020, 124, 077203.	2.9	22
22	Adiabatic generalized gradient approximation kernel in time-dependent density functional theory. <i>Physical Review B</i> , 2019, 99, .	1.1	20
23	Spin/Valley Coupled Dynamics of Electrons and Holes at the MoS ₂ –MoSe ₂ Interface. <i>Nano Letters</i> , 2021, 21, 7123-7130.	4.5	18
24	Angular momentum redistribution in laser-induced demagnetization. <i>Physical Review B</i> , 2021, 104, .	1.1	18
25	The microscopic origin of spin-orbit mediated spin-flips. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 502, 166473.	1.0	15
26	Almost exact exchange at almost no computational cost in electronic structure. <i>Physical Review A</i> , 2015, 92, .	1.0	11
27	<i>Ab initio</i> study of ultrafast charge dynamics in graphene. <i>Physical Review B</i> , 2021, 103, .	1.1	10
28	Probing the Energy Conversion Pathways between Light, Carriers, and Lattice in Real Time with Attosecond Core-Level Spectroscopy. <i>Physical Review X</i> , 2021, 11, .	2.8	10
29	Absence of dynamical steps in the exact correlation potential in the linear response regime. <i>Physical Review A</i> , 2013, 88, .	1.0	8
30	Electron correlation via frozen Gaussian dynamics. <i>Journal of Chemical Physics</i> , 2011, 135, 104110.	1.2	7
31	Real time scissor correction in TD-DFT. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 214002.	0.7	7
32	Ultrafast optical control over spin and momentum in solids. <i>Applied Physics Letters</i> , 2022, 120, .	1.5	7
33	Manipulating magnons via ultrafast magnetization modulation. <i>Physical Review B</i> , 2021, 103, .	1.1	6
34	Computational analysis of transient XMCD sum rules for laser pumped systems: When do they fail? <i>Applied Physics Letters</i> , 2022, 120, .	1.5	6
35	Density–matrix propagation driven by semiclassical correlation. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 772-783.	1.0	5
36	<i>Ab initio</i> Real–Time Magnon Dynamics in Ferromagnetic and Ferrimagnetic Systems. <i>Physica Status Solidi (B): Basic Research</i> , 2020, 257, 1900654.	0.7	5

#	ARTICLE	IF	CITATIONS
37	<i>Ab initio</i> study of ultrafast spin dynamics in Gd _x (FeCo) _{1-x} alloys. Applied Physics Letters, 2022, 120, .	1.5	5
38	Comment on "Application of partition density-functional theory to one-dimensional models". Physical Review A, 2014, 89, .	1.0	2