

# 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	Ultrafast optical control over spin and momentum in solids. Applied Physics Letters, 2022, 120, .	1.5	7
2	<i>Ab initio</i> study of ultrafast spin dynamics in Gd <sub>x</sub> (FeCo) <sub>1-x</sub> alloys. Applied Physics Letters, 2022, 120, .	1.5	5
3	Computational analysis of transient XMCD sum rules for laser pumped systems: When do they fail?. Applied Physics Letters, 2022, 120, .	1.5	6
4	<i>Ab initio</i> study of ultrafast charge dynamics in graphene. Physical Review B, 2021, 103, .	1.1	10
5	Manipulating magnons via ultrafast magnetization modulation. Physical Review B, 2021, 103, .	1.1	6
6	Spin/Valley Coupled Dynamics of Electrons and Holes at the MoS <sub>2</sub> /MoSe <sub>2</sub> Interface. Nano Letters, 2021, 21, 7123-7130.	4.5	18
7	Angular momentum redistribution in laser-induced demagnetization. Physical Review B, 2021, 104, .	1.1	18
8	Probing the Energy Conversion Pathways between Light, Carriers, and Lattice in Real Time with Attosecond Core-Level Spectroscopy. Physical Review X, 2021, 11, .	2.8	10
9	<i>Ab initio</i> Real-Time Magnon Dynamics in Ferromagnetic and Ferrimagnetic Systems. Physica Status Solidi (B): Basic Research, 2020, 257, 1900654.	0.7	5
10	Element Specificity of Transient Extreme Ultraviolet Magnetic Dichroism. Physical Review Letters, 2020, 124, 077203.	2.9	22
11	Optical inter-site spin transfer probed by energy and spin-resolved transient absorption spectroscopy. Nature Communications, 2020, 11, 871.	5.8	66
12	The microscopic origin of spin-orbit mediated spin-flips. Journal of Magnetism and Magnetic Materials, 2020, 502, 166473.	1.0	15
13	Efficiency of ultrafast optically induced spin transfer in Heusler compounds. Physical Review Research, 2020, 2, .	1.3	29
14	Real time scissor correction in TD-DFT. Journal of Physics Condensed Matter, 2019, 31, 214002.	0.7	7
15	Adiabatic generalized gradient approximation kernel in time-dependent density functional theory. Physical Review B, 2019, 99, .	1.1	20
16	Competing Spin Transfer and Dissipation at $CuCo$	2.9	48
17	Physical Review Letters, 2019, 122, 067202. Laser-Induced Intersite Spin Transfer. Nano Letters, 2018, 18, 1842-1848.	4.5	128
18	Ultrafast demagnetization in bulk versus thin films: an <i>ab initio</i> study. Journal of Physics Condensed Matter, 2017, 29, 224001.	0.7	42

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19	Spin Flips versus Spin Transport in Nonthermal Electrons Excited by Ultrashort Optical Pulses in Transition Metals. <i>Physical Review Letters</i> , 2017, 119, 107203.	2.9	67
20	Density-matrix propagation driven by semiclassical correlation. <i>International Journal of Quantum Chemistry</i> , 2016, 116, 772-783.	1.0	5
21	Ultrafast laser induced local magnetization dynamics in Heusler compounds. <i>Scientific Reports</i> , 2016, 6, 38911.	1.6	60
22	Almost exact exchange at almost no computational cost in electronic structure. <i>Physical Review A</i> , 2015, 92, .	1.0	11
23	Corrections to Thomas-Fermi Densities at Turning Points and Beyond. <i>Physical Review Letters</i> , 2015, 114, 050401.	2.9	23
24	Laser-Induced Demagnetization at Ultrashort Time Scales: Predictions of TDDFT. <i>Journal of Chemical Theory and Computation</i> , 2015, 11, 4870-4874.	2.3	167
25	Kinetic and interaction components of the exact time-dependent correlation potential. <i>Journal of Chemical Physics</i> , 2014, 140, 18A515.	1.2	25
26	Comment on "Application of partition density-functional theory to one-dimensional models". <i>Physical Review A</i> , 2014, 89, .	1.0	2
27	Dynamics of Charge-Transfer Processes with Time-Dependent Density Functional Theory. <i>Journal of Physical Chemistry Letters</i> , 2013, 4, 735-739.	2.1	77
28	Absence of dynamical steps in the exact correlation potential in the linear response regime. <i>Physical Review A</i> , 2013, 88, .	1.0	8
29	Propagation of initially excited states in time-dependent density-functional theory. <i>Physical Review A</i> , 2012, 85, .	1.0	37
30	Universal Dynamical Steps in the Exact Time-Dependent Exchange-Correlation Potential. <i>Physical Review Letters</i> , 2012, 109, 266404.	2.9	87
31	Perspectives on double-excitations in TDDFT. <i>Chemical Physics</i> , 2011, 391, 110-119.	0.9	157
32	Electronic Structure via Potential Functional Approximations. <i>Physical Review Letters</i> , 2011, 106, 236404.	2.9	39
33	Electron correlation via frozen Gaussian dynamics. <i>Journal of Chemical Physics</i> , 2011, 135, 104110.	1.2	7
34	Partition density-functional theory. <i>Physical Review A</i> , 2010, 82, .	1.0	141
35	Leading corrections to local approximations. <i>Physical Review B</i> , 2010, 81, .	1.1	27
36	Density Functional Partition Theory with Fractional Occupations. <i>Journal of Chemical Theory and Computation</i> , 2009, 5, 827-833.	2.3	68

#	ARTICLE	IF	CITATIONS
37	Non-empirical derivation of the parameter in the B88 exchange functional. Canadian Journal of Chemistry, 2009, 87, 1485-1491.	0.6	85
38	Semiclassical Origins of Density Functionals. Physical Review Letters, 2008, 100, 256406.	2.9	85