

# Michael Spanner

## List of Publications by Year in descending order

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37  
papers

2,531  
citations

279798

23  
h-index

330143

37  
g-index

38  
all docs

38  
docs citations

38  
times ranked

1537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anatomy of strong field ionization. Journal of Modern Optics, 2005, 52, 165-184.	1.3	267
2	Controlling High Harmonic Generation with Molecular Wave Packets. Physical Review Letters, 2005, 94, 123902.	7.8	264
3	Reading diffraction images in strong field ionization of diatomic molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L243-L250.	1.5	206
4	The Multielectron Ionization Dynamics Underlying Attosecond Strong-Field Spectroscopies. Science, 2012, 335, 1336-1340.	12.6	180
5	Analytical solutions for strong field-driven atomic and molecular one- and two-electron continua and applications to strong-field problems. Physical Review A, 2008, 77, .	2.5	151
6	Switched Wave Packets: A Route to Nonperturbative Quantum Control. Physical Review Letters, 2003, 90, 223001.	7.8	136
7	One-electron ionization of multielectron systems in strong nonresonant laser fields. Physical Review A, 2009, 80, .	2.5	123
8	Two-pulse alignment of molecules. Journal of Physics B: Atomic, Molecular and Optical Physics, 2004, 37, L43-L48.	1.5	103
9	Generation of Single Dispersion Precompensated 1-fs Pulses by Shaped-Pulse Optimized High-Order Stimulated Raman Scattering. Physical Review Letters, 2002, 88, 103901.	7.8	101
10	Coulomb and polarization effects in sub-cycle dynamics of strong-field ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S307-S321.	1.5	93
11	Tunnel Ionization of Molecules and Orbital Imaging. Physical Review Letters, 2011, 106, 173001.	7.8	90
12	Coherent Control of Rotational Wave-Packet Dynamics via Fractional Revivals. Physical Review Letters, 2004, 92, 093001.	7.8	75
13	Probing Molecular Dynamics by Laser-Induced Backscattering Holography. Physical Review Letters, 2016, 116, 133001.	7.8	75
14	Dyson norms in XUV and strong-field ionization of polyatomics: Cytosine and uracil. Physical Review A, 2012, 86, .	2.5	65
15	Quantum Logic Approach to Wave Packet Control. Physical Review Letters, 2003, 91, 237901.	7.8	64
16	Channel- and Angle-Resolved Above Threshold Ionization in the Molecular Frame. Physical Review Letters, 2013, 110, 023004.	7.8	60
17	Anatomy of strong field ionization II: to dress or not to dress?. Journal of Modern Optics, 2007, 54, 1019-1038.	1.3	58
18	Coulomb and polarization effects in laser-assisted XUV ionization. Journal of Physics B: Atomic, Molecular and Optical Physics, 2006, 39, S323-S339.	1.5	56

#	ARTICLE	IF	CITATIONS
19	Strong-field molecular alignment for quantum logic and quantum control. Physical Review A, 2003, 67, .	2.5	49
20	Ultrafast Relaxation Dynamics of Uracil Probed via Strong Field Dissociative Ionization. Journal of Physical Chemistry A, 2013, 117, 12796-12801.	2.5	46
21	Communication: Conditions for one-photon coherent phase control in isolated and open quantum systems. Journal of Chemical Physics, 2010, 133, 151101.	3.0	45
22	Excited state dynamics in SO <sub>2</sub> . I. Bound state relaxation studied by time-resolved photoelectron-photoion coincidence spectroscopy. Journal of Chemical Physics, 2014, 140, 204301.	3.0	41
23	Neutral-Ionic State Correlations in Strong-Field Molecular Ionization. Physical Review Letters, 2012, 109, 203007.	7.8	29
24	Strong Field Tunnel Ionization by Real-Valued Classical Trajectories. Physical Review Letters, 2003, 90, 233005.	7.8	19
25	Optimal generation of single-dispersion precompensated 1-fs pulses by molecular phase modulation. Optics Letters, 2003, 28, 576.	3.3	17
26	Direct XUV Probing of Attosecond Electron Recollision. Physical Review Letters, 2007, 98, 123001.	7.8	17
27	Tunable optimal compression of ultrabroadband pulses by cross-phase modulation. Optics Letters, 2003, 28, 749.	3.3	15
28	Momentum-resolved above-threshold ionization of deuterated water. Physical Review A, 2020, 102, .	2.5	14
29	Quantum logic in coarse grained control of wavepackets. Journal of Modern Optics, 2005, 52, 897-915.	1.3	12
30	Short- and long-term gain dynamics in $N_2$ air lasing. Physical Review A, 2019, 100, .	2.5	12
31	$N_2^+$ lasing: Gain and absorption in the presence of rotational coherence. Physical Review A, 2020, 102, .	2.5	11
32	Electron correlations and pre-collision in the re-collision picture of high harmonic generation. Journal of Physics B: Atomic, Molecular and Optical Physics, 2018, 51, 134006.	1.5	10
33	Understanding strong-field coherent control: Measuring single-atom versus collective dynamics. Physical Review A, 2006, 74, .	2.5	9
34	Coherent control and entanglement in the attosecond electron-recollision dissociation of $D_2$ . Physical Review A, 2007, 76, .	2.5	7
35	Probing electron transfer within alkali-metal halides via high-order harmonic generation. Physical Review A, 2008, 78, .	2.5	7
36	Wave packets in a sieve: quantum control at the edge of strong chaos. Journal of Modern Optics, 2007, 54, 2161-2176.	1.3	3

#	ARTICLE	IF	CITATIONS
37	An Analysis of Two Liquidâ€State Adaptive Feedback Experiments. Israel Journal of Chemistry, 2007, 47, 111-114.	2.3	1