

# Yu-Jun Yang

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

87  
papers

694  
citations

17  
h-index

23  
g-index

93  
ext. papers

898  
ext. citations

1.7  
avg, IF

4.41  
L-index

#	Paper	IF	Citations
87	The nonsequential double ionization of Ar atoms with different initial angular momenta irradiated by a circularly polarized laser pulse. <i>Chemical Physics Letters</i> , <b>2022</b> , 139400	2.5	0
86	All-optical reconstruction of three-band transition dipole moments by the crystal harmonic spectrum from a two-color laser pulse.. <i>Optics Express</i> , <b>2022</b> , 30, 9971-9982	3.3	4
85	The High-Order Harmonic Generation from Atom Driven by Co-Rotating Laser Pulses Composed of Fundamental Frequency and High Frequency. <i>Symmetry</i> , <b>2022</b> , 14, 519	2.7	
84	Close-to-zero eigenvalues of the rooted product of graphs. <i>Journal of Mathematical Chemistry</i> , <b>2021</b> , 59, 1526	2.1	1
83	High-order harmonic generation of benzene molecules irradiated by circularly polarized laser pulses. <i>Chemical Physics</i> , <b>2021</b> , 545, 111147	2.3	2
82	Double ionization of hydrogen molecules in a high-intensity linearly polarized laser pulse. <i>Chemical Physics Letters</i> , <b>2021</b> , 764, 138214	2.5	
81	Dynamics of strong-field double ionization of H <sub>2</sub> in co-rotating two-color circularly polarized laser fields. <i>Communications in Theoretical Physics</i> , <b>2020</b> , 72, 055503	2.4	4
80	Cooper minimum of high-order harmonic spectra from an MgO crystal in an ultrashort laser pulse. <i>Physical Review A</i> , <b>2020</b> , 101,	2.6	33
79	Circular embeddability of isometric words. <i>Discrete Mathematics</i> , <b>2020</b> , 343, 112024	0.7	1
78	Multielectron Effect for High-Order Harmonic Generation From Molecule Irradiated by Bichromatic Counter-Rotating Circularly Polarized Laser Pulses. <i>IEEE Journal of Quantum Electronics</i> , <b>2020</b> , 56, 1-7	2	4
77	Effect of interband polarization on a solid's high-order-harmonic generation just below the band gap. <i>Optics Letters</i> , <b>2020</b> , 45, 2874-2877	3	27
76	Ionization of two-electron atom (xenon) studied by Bohmian mechanics theory. <i>Chinese Physics B</i> , <b>2020</b> , 29, 113201	1.2	
75	Resonance-enhanced two-photon ionization of hydrogen atom in intense laser field investigated by Bohmian-mechanics. <i>Chinese Physics B</i> , <b>2020</b> , 29, 093204	1.2	
74	Universality of the Dynamic Characteristic Relationship of Electron Correlation in the Two-Photon Double Ionization Process of a Helium-Like System. <i>Chinese Physics Letters</i> , <b>2020</b> , 37, 113201	1.8	4
73	Ionization of an atom with different initial angular momenta in an intense circular polarized laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 235601	1.3	9
72	Quantum interference of a time-dependent wave packet of atom irradiated by an ultra-short laser pulse. <i>Chinese Physics B</i> , <b>2020</b> , 29, 013202	1.2	
71	The interference fringes of above-threshold ionization spectrum of SF <sub>6</sub> molecules in an IR + XUV laser field. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 195101	1.3	

70	Asymmetric structure of atomic above-threshold ionization spectrum in two-color elliptically polarized laser fields. <i>Chinese Physics B</i> , <b>2019</b> , 28, 103201	1.2	1
69	Selection of electron quantum trajectories in the macroscopic high-order harmonics generated by near-infrared lasers. <i>Physical Review A</i> , <b>2019</b> , 99,	2.6	10
68	Understanding two-photon double ionization of helium from the perspective of the characteristic time of dynamic transitions. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2019</b> , 52, 195601	1.3	2
67	Multiorbital and excitation effects on dissociative double ionization of CO molecules in strong circularly polarized laser fields. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	6
66	Effect of laser intensity on quantum trajectories in the macroscopic high-order harmonic generation. <i>Chinese Physics B</i> , <b>2019</b> , 28, 113201	1.2	3
65	Role of quantum orbits in odd-even high harmonic generation from atoms in bichromatic laser fields. <i>Europhysics Letters</i> , <b>2019</b> , 127, 34004	1.6	0
64	Significantly enhanced conversion efficiency of high-order harmonic generation by introducing chirped laser pulses into scheme of spatially inhomogeneous field. <i>Optics Express</i> , <b>2019</b> , 27, 8768-8776	3.3	24
63	All-optical reconstruction of k-dependent transition dipole moment by solid harmonic spectra from ultrashort laser pulses. <i>Optics Express</i> , <b>2019</b> , 27, 34392-34404	3.3	43
62	Subatomic scale study of atom-generated higher-order harmonic. <i>Wuli Xuebao/Acta Physica Sinica</i> , <b>2019</b> , 68, 173202	0.6	1
61	A characterization of non-isometric binary words. <i>European Journal of Combinatorics</i> , <b>2019</b> , 78, 121-133	0.7	5
60	High-order harmonic generation from H <sub>2</sub> <sup>+</sup> irradiated by a co-rotating two-color circularly polarized laser field. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	20
59	Piezoelectricity and dipolar polarization of group V-IV-III-VI sheets: A first-principles study. <i>Applied Surface Science</i> , <b>2019</b> , 463, 918-922	6.7	9
58	Nonsequential double ionization of helium in IR+XUV two-color laser fields II: collision-excitation ionization process. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2018</b> , 51, 035601	1.3	2
57	Inverses of Bipartite Graphs. <i>Combinatorica</i> , <b>2018</b> , 38, 1251-1263	0.9	2
56	Simultaneous study of the lower order harmonic and photoelectron emission from an atom in intense laser pulse. <i>Chinese Physics B</i> , <b>2018</b> , 27, 083202	1.2	2
55	Identifying the Multielectron Effect on Chemical Bond Rearrangement of CHCl Molecules in Strong Laser Fields. <i>Journal of Physical Chemistry A</i> , <b>2018</b> , 122, 8427-8432	2.8	3
54	Interpulse interference of electron emission from an atom irradiated by sinusoidally phase-modulated pulse. <i>Chinese Physics B</i> , <b>2018</b> , 27, 103201	1.2	0
53	Angle-resolved photoelectron energy spectrum from the high-order above-threshold ionization process in IR+XUV two-color laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2018</b> , 51, 245601	1.3	4

52	Pressure-dependent phase matching for high harmonic generation of Ar and N2 in the tight focusing regime. <i>Optics Communications</i> , <b>2017</b> , 397, 118-121	2	7
51	The self-concatenation of isometric strings is isometric. <i>Discrete Mathematics</i> , <b>2017</b> , 340, 1844-1850	0.7	4
50	Revisiting the time-dependent ionization process through the Bohmian-mechanics method. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2017</b> , 50, 095003	1.3	4
49	Eigenvalues of the resistance-distance matrix of complete multipartite graphs. <i>Journal of Inequalities and Applications</i> , <b>2017</b> , 2017, 296	2.1	2
48	Thermoelectric Properties of Ce3Te4 under High Pressure: First-Principles Calculation. <i>Materials Transactions</i> , <b>2017</b> , 58, 1601-1605	1.3	
47	Infinite families of 2-isometric and not 3-isometric binary words. <i>Theoretical Computer Science</i> , <b>2017</b> , 696, 1-10	1.1	3
46	Multiorbital effects in strong-field ionization and dissociation of aligned polar molecules CH3I and CH3Br. <i>Physical Review A</i> , <b>2017</b> , 96,	2.6	14
45	Nonsequential double ionization of helium in IR+XUV two-color laser fields: Collision-ionization process. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	10
44	Accurate prediction of interference minima in linear molecular harmonic spectra by a modified two-center model. <i>Chinese Physics B</i> , <b>2016</b> , 25, 033205	1.2	2
43	Ion yields of laser aligned CH3I and CH3Br from multiple orbitals. <i>Chemical Physics Letters</i> , <b>2016</b> , 665, 141-146	2.5	4
42	Light emission induced by an XUV laser pulse interacting resonantly with atomic hydrogen. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 015003	1.3	
41	Single attosecond pulse generation via continuum wave packet interference. <i>Optics Communications</i> , <b>2016</b> , 370, 294-298	2	2
40	Controlling continuum wavepacket interference by two-color laser field in over-the-barrier ionization regime. <i>Frontiers of Physics</i> , <b>2016</b> , 11, 1	3.7	2
39	The minimal Kirchhoff index of graphs with a given number of cut vertices. <i>Filomat</i> , <b>2016</b> , 30, 3451-3463	0.7	5
38	Electron excitation from ground state to first excited state: Bohmian mechanics method. <i>Chinese Physics B</i> , <b>2016</b> , 25, 033204	1.2	2
37	Intensity dependence of nonsequential double ionization of helium in IR+XUV two-color laser fields. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2016</b> , 49, 195602	1.3	3
36	Influence of multi-photon excitation on the atomic above-threshold ionization. <i>Chinese Physics B</i> , <b>2015</b> , 24, 043202	1.2	1
35	Calculation of the Duration of the Atomic Tunneling Ionization in a Strong Electrostatic Field by Using Bohmian Trajectories Approach. <i>Chinese Physics Letters</i> , <b>2015</b> , 32, 073201	1.8	0

34	A Note on the Kirchhoff and Additive Degree-Kirchhoff Indices of Graphs. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , <b>2015</b> , 70, 459-463	1.4	5
33	Ultrashort-attosecond-pulse generation by reducing harmonic chirp with a spatially inhomogeneous electric field. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	19
32	Tunneling Ionization of Aligned CH <sub>3</sub> X (X=I, Br, Cl) Molecules in Intense Femtosecond Laser Fields. <i>Journal of Physics: Conference Series</i> , <b>2015</b> , 635, 112071	0.3	
31	Theoretical approach to the study of vibrational effects on strong field ionization of molecules with alignment-dependent tunneling ionization rates. <i>Chinese Physics B</i> , <b>2015</b> , 24, 093302	1.2	1
30	Probing dynamic information and spatial structure of Rydberg wave packets by harmonic spectra in a few-cycle laser pulse. <i>Physical Review A</i> , <b>2015</b> , 91,	2.6	28
29	Defocusing role in femtosecond filamentation: Higher-order Kerr effect or plasma effect?. <i>Chinese Physics B</i> , <b>2015</b> , 24, 114207	1.2	5
28	Field-free orientation of diatomic molecule via the linearly polarized resonant pulses. <i>Chinese Physics B</i> , <b>2015</b> , 24, 104205	1.2	0
27	Chirp-free isolated attosecond pulse generation from an atom irradiated by a fundamental terahertz pulse synchronizing an infrared laser pulse. <i>Optics Express</i> , <b>2015</b> , 23, 32222-9	3.3	5
26	The Kirchhoff index of subdivisions of graphs. <i>Discrete Applied Mathematics</i> , <b>2014</b> , 171, 153-157	1	32
25	Influence of group-velocity-dispersion effects on the propagation of femtosecond laser pulses in air at different pressures. <i>Physical Review A</i> , <b>2014</b> , 89,	2.6	25
24	Probing dynamic interference in high-order harmonic generation from long-range molecular ion: Bohmian trajectory investigation. <i>Chinese Physics B</i> , <b>2014</b> , 23, 053201	1.2	1
23	Investigation of the carrier envelope phase effect for molecular ionization. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 032049	0.3	
22	The effect carrier-envelope phase on the cut-off of molecular harmonic generation. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 032050	0.3	
21	State-selection via the quantum coherent control of laser pulse. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 122002	0.3	
20	Influence of Higher-Order Kerr Effect on Femtosecond Laser Filamentation in Air at Different Pressures. <i>Journal of Physics: Conference Series</i> , <b>2014</b> , 488, 032051	0.3	2
19	Carrier Envelope Phase Effect of a Long Duration Pulse in the Low Frequency Region. <i>Chinese Physics Letters</i> , <b>2014</b> , 31, 043202	1.8	1
18	Investigation on the influence of atomic potentials on the above threshold ionization. <i>Chinese Physics B</i> , <b>2014</b> , 23, 053202	1.2	18
17	Some Bounds for the Kirchhoff Index of Graphs. <i>Abstract and Applied Analysis</i> , <b>2014</b> , 2014, 1-7	0.7	3

16	Isolated attosecond pulse generation from atom radiated by a three-color laser pulse. <i>Chinese Physics B</i> , <b>2014</b> , 23, 093205	1.2	4
15	Single rotational state preparation via coherent control of laser pulse. <i>Laser Physics</i> , <b>2014</b> , 24, 105202	1.2	
14	Controlling field-free molecular orientation with combined circularly and linearly polarized resonant pulses at low rotational temperatures. <i>Chemical Physics Letters</i> , <b>2013</b> , 556, 350-354	2.5	9
13	Analysis of isolated attosecond pulse generation from a multi-cycle two-color pulse. <i>Journal of the Korean Physical Society</i> , <b>2013</b> , 62, 34-39	0.6	
12	The Global Cyclicity Index of Benzenoid Chains. <i>Journal of Chemistry</i> , <b>2013</b> , 2013, 1-5	2.3	3
11	Atomic high-order harmonic generation from a circularly polarized laser pulse. <i>Chinese Physics B</i> , <b>2013</b> , 22, 023204	1.2	4
10	Dynamic stabilization of ionization for an atom irradiated by high-frequency laser pulses studied with the Bohmian-trajectory scheme. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	26
9	Investigation of atomic radiative recombination processes by the Bohmian-mechanics method. <i>Physical Review A</i> , <b>2013</b> , 88,	2.6	21
8	High-intensity molecular harmonic generation without ionization. <i>Chinese Physics B</i> , <b>2013</b> , 22, 033203	1.2	18
7	Carrier-envelope-phase effect on laser-driven bound-bound transitions in the high-frequency region. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	7
6	Bounds for the Kirchhoff Index of Bipartite Graphs. <i>Journal of Applied Mathematics</i> , <b>2012</b> , 2012, 1-9	1.1	6
5	Investigation of the generation of high-order harmonics through Bohmian trajectories. <i>Physical Review A</i> , <b>2012</b> , 86,	2.6	30
4	New Nordhaus-Gaddum-type results for the Kirchhoff index. <i>Journal of Mathematical Chemistry</i> , <b>2011</b> , 49, 1587-1598	2.1	12
3	Generation of intense isolated sub-40-as pulses from a coherent superposition state by quantum path control in the multicycle regime. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	50
2	Generation of isolated sub-50-as pulses by quantum path control in the multicycle regime. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	36
1	Enhancement of high-order harmonic emission and intense sub-50fs pulse generation. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	29