

# Yasuhiro Tanaka

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

591  
citations

623734

14  
h-index

610901

24  
g-index

40  
all docs

40  
docs citations

40  
times ranked

328  
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigating optimal region for thermal and electrical properties of epoxy nanocomposites under high frequencies and temperatures. Nanotechnology, 2022, 33, 135705.	2.6	11
2	Effect of degassing treatment durations on physico-chemical and electrical properties of 500 kV extra HVDC XLPE cable insulation. Polymer Degradation and Stability, 2021, 188, 109566.	5.8	17
3	Machine learning detection of Berezinskii-Kosterlitz-Thouless transitions in $q$ -state clock models. Physical Review B, 2021, 104, .	3.2	17
4	Predicted photoinduced pair annihilation of emergent magnetic charges in the organic salt $I_3(BEDT-TTF)_2$ irradiated by linearly polarized light. Physical Review B, 2021, 104, .	3.2	4
5	Real-time dynamics of the photoinduced topological state in the organic conductor $I_3(BEDT-TTF)_2$ under continuous-wave and pulse excitations. Physical Review B, 2021, 104, .	3.2	4
6	Floquet Theory of Photoinduced Topological Phase Transitions in the Organic Salt $I_3(BEDT-TTF)_2$ Irradiated with Elliptically Polarized Light. Journal of the Physical Society of Japan, 2021, 90, .	1.6	7
7	Photoinduced dynamics of excitonic order and Rabi oscillations in the two-orbital Hubbard model. Physical Review B, 2020, 102, .	3.2	2
8	Theory of the inverse Faraday effect due to the Rashba spin-orbit interactions: roles of band dispersions and Fermi surfaces. New Journal of Physics, 2020, 22, 083054.	2.9	7
9	Photoinduced enhancement of excitonic order in the two-orbital Hubbard model. Physical Review B, 2018, 97, .	3.2	24
10	Photoinduced collective mode, inhomogeneity, and melting in a charge-order system. Physical Review B, 2018, 98, .	3.2	6
11	Nonlinear charge oscillation driven by a single-cycle light field in an organic superconductor. Nature Photonics, 2018, 12, 474-478.	31.4	28
12	Polarization selectivity of charge localization induced by a 7-fs nearly single-cycle light field in an organic metal. Physical Review B, 2017, 95, .	3.2	11
13	Correlation Effects on Charge Order and Zero-Gap State in the Organic Conductor $I_3(BEDT-TTF)_2$ . Journal of the Physical Society of Japan, 2016, 85, 104706.	1.6	22
14	Ultrafast response of plasmlike reflectivity edge in $(TMTTF)_2AsF_6$ driven by a 7-fs 1.5-cycle strong-light field. Physical Review B, 2016, 93, .	3.2	14
15	Phase Separation Induced by Symmetric Monocycle Optical Pulse in Extended Hubbard Models. Journal of the Physical Society of Japan, 2015, 84, 094705.	1.6	14
16	Optical freezing of charge motion in an organic conductor. Nature Communications, 2014, 5, 5528.	12.8	59
17	Roles of Potential Gradient and Electrode Bandwidth on Negative Differential Resistance in One-Dimensional Band Insulator. Journal of the Physical Society of Japan, 2014, 83, 124704.	1.6	3
18	Current-voltage characteristics and breakdown mechanism in one-dimensional band and mott insulators attached to electrodes. Journal of the Korean Physical Society, 2013, 62, 2164-2167.	0.7	0

#	ARTICLE	IF	CITATIONS
19	Charge order and possible bias-induced metastable state in the organic conductor $\hat{I}^2$ -(meso-DMBEDT-TTF)2PF6: effects of structural distortion. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 465603.	1.8	1
20	Theory of nonlinear conduction for charge-ordered states in quasi-two-dimensional organic conductors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 1186-1188.	0.8	0
21	Interplay between Correlated Electrons and Quantum Phonons in Charge-Ordered and Mott-Insulating Organic Compounds. <i>Acta Physica Polonica A</i> , 2012, 121, 372-374.	0.5	0
22	Nonlinear Conduction by Melting of Stripe-Type Charge Order in Organic Conductors with Triangular Lattices. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 103702.	1.6	2
23	Photoinduced insulator-to-metal transition dynamics in models for quasi-two-dimensional organic conductors. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 486-490.	1.5	0
24	Crossover from bias-induced to field-induced breakdown in one-dimensional band and Mott insulators attached to electrodes. <i>Physical Review B</i> , 2011, 83, .	3.2	12
25	Charge, Lattice, and Spin Dynamics in Photoinduced Phase Transitions from Charge-Ordered Insulator to Metal in Quasi-Two-Dimensional Organic Conductors. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 034708.	1.6	32
26	Growth Dynamics of Photoinduced Domains in Two-Dimensional Charge-Ordered Conductors Depending on Stabilization Mechanisms. <i>Journal of the Physical Society of Japan</i> , 2010, 79, 024712.	1.6	40
27	Theory of $I$ - $V$ characteristics for two-dimensional charge-ordered electron systems at quarter filling. <i>Physica B: Condensed Matter</i> , 2010, 405, S211-S213.	2.7	1
28	Frustration and lattice effects on photoinduced melting of charge orders in quasi-two-dimensional organic conductors. <i>Physica B: Condensed Matter</i> , 2010, 405, S369-S372.	2.7	0
29	Photoinduced melting of charge order in quasi-two-dimensional organic conductors. <i>Journal of Physics: Conference Series</i> , 2009, 148, 012063.	0.4	1
30	Photoinduced melting and charge order in quarter-filled organic conductors: Itinerant electron systems with competing interactions. <i>Journal of Physics: Conference Series</i> , 2009, 148, 012054.	0.4	4
31	Role of electron-lattice couplings on charge order in quasi-two-dimensional organic conductors. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042204.	0.4	0
32	Charge Order with Structural Distortion in Organic Conductors: Comparison between $\hat{I}_1$ -(ET) <sub>2</sub> RbZn(SCN) <sub>4</sub> and $\hat{I}_1$ -(ET) <sub>2</sub> I <sub>3</sub> . <i>Journal of the Physical Society of Japan</i> , 2008, 77, 034708.	1.6	40
33	Effects of Electron-Lattice Coupling on Charge Order in $\hat{I}_1$ -(ET)2X. <i>Journal of the Physical Society of Japan</i> , 2007, 76, 053708.	1.6	27
34	Spin susceptibility of one-dimensional extended Hubbard model at quarter filling. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 317-318.	2.7	0
35	Effects of Charge Ordering on the Spin Degrees of Freedom in One-Dimensional Extended Hubbard Model. <i>Journal of the Physical Society of Japan</i> , 2005, 74, 3283-3287.	1.6	13
36	Superconductivity due to charge fluctuation on a triangular lattice. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 591-593.	2.7	1

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37	Superconductivity in $\text{Na}_x\text{CoO}_2 \cdot y\text{H}_2\text{O}$ due to Charge Fluctuation. Journal of the Physical Society of Japan, 2004, 73, 319-322.	1.6	76
38	Superconductivity due to Charge Fluctuation in $\hat{I}_1$ -Type Organic Conductors. Journal of the Physical Society of Japan, 2004, 73, 2053-2056.	1.6	39
39	Charge-Fluctuation-Induced Superconducting State in Two-Dimensional Quarter-Filled Electron Systems. Journal of the Physical Society of Japan, 2004, 73, 1115-1118.	1.6	48