

Elastic quantum spin Hall effect in kagome lattices

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Tunable in-plane topologically protected edge waves in continuum Kagome lattices. Journal of Applied Physics, 2018, 124, .	1.1	27
2	Introduction to the special issue on non-reciprocal and topological wave phenomena in acoustics. Journal of the Acoustical Society of America, 2019, 146, 719-720.	0.5	8
3	Topologically protected edge states of phoxonic crystals. International Journal of Mechanical Sciences, 2019, 155, 197-205.	3.6	33
4	2D Phononic Crystals: Progress and Prospects in Hypersound and Thermal Transport Engineering. Advanced Functional Materials, 2020, 30, 1904434.	7.8	43
5	Optimal quantum valley Hall insulators by rationally engineering Berry curvature and band structure. Journal of the Mechanics and Physics of Solids, 2020, 135, 103784.	2.3	52
6	Elastic phononic plates with first-order and second-order topological phases. Journal Physics D: Applied Physics, 2020, 53, 115303.	1.3	5
7	Symmetry of the phononic landscape of twisted kagome lattices across the duality boundary. Physical Review B, 2020, 102, .	1.1	10
8	Topological mechanical metamaterials: A brief review. Current Opinion in Solid State and Materials Science, 2020, 24, 100853.	5.6	61
9	In-Plane Second-Order Topologically Protected States in Elastic Kagome Lattices. Physical Review Applied, 2020, 14, .	1.5	46
10	Dynamics of Quasiperiodic Beams. Crystals, 2020, 10, 1144.	1.0	12
11	Edge states and topological pumping in stiffness-modulated elastic plates. Physical Review B, 2020, 101, .	1.1	48
12	Adiabatic pumping via avoided crossings in stiffness-modulated quasiperiodic beams. Physical Review B, 2020, 102, .	1.1	24
13	Nonreciprocity in acoustic and elastic materials. Nature Reviews Materials, 2020, 5, 667-685.	23.3	243
14	Dirac degeneracy and elastic topological valley modes induced by local resonant states. Physical Review B, 2020, 101, .	1.1	49
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18	Experimental Observation of Temporal Pumping in Electromechanical Waveguides. Physical Review Letters, 2021, 126, 095501.	2.9	56

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19	Topological phononic crystal plates with locally resonant elastic wave systems. <i>Applied Acoustics</i> , 2021, 177, 107931.	1.7	16
20	Tuning of subwavelength topological interface states in locally resonant metastructures with shunted piezoelectric patches. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	9
21	Broadband Rayleigh wave attenuation by gradient metamaterials. <i>International Journal of Mechanical Sciences</i> , 2021, 205, 106592.	3.6	43
22	Disorder-induced topological phase transition in a one-dimensional mechanical system. <i>Physical Review Research</i> , 2021, 3, .	1.3	16
23	Enabling novel dispersion and topological characteristics in mechanical lattices via stable negative inertial coupling. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2021, 477, .	1.0	4
24	Selective Mode Conversion and Rainbow Trapping via Graded Elastic Waveguides. <i>Physical Review Applied</i> , 2021, 16, .	1.5	37
25	Adiabatic edge-to-edge transformations in time-modulated elastic lattices and non-Hermitian shortcuts. <i>New Journal of Physics</i> , 2021, 23, 093008.	1.2	10
26	Recent advances in topological elastic metamaterials. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 503002.	0.7	27
27	Tunable control of subwavelength topological interface modes in locally resonance piezoelectric metamaterials. <i>Composite Structures</i> , 2021, 276, 114541.	3.1	17
28	Elastically-supported lattices for tunable mechanical topological insulators. <i>Extreme Mechanics Letters</i> , 2020, 38, 100758.	2.0	17
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30	Gapless unidirectional photonic transport using all-dielectric kagome lattices. <i>Physical Review Research</i> , 2020, 2, .	1.3	41
31	Topological wave insulators: a review. <i>Comptes Rendus Physique</i> , 2020, 21, 467-499.	0.3	18
32	Design of topological elastic waveguides. <i>Journal of Applied Physics</i> , 2021, 130, .	1.1	29
33	Complex dispersion analysis of topologically protected interface states in two-dimensional viscoelastic phononic crystals. <i>Journal Physics D: Applied Physics</i> , 2022, 55, 055304.	1.3	17
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36	Progress in Topological Mechanics. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 1987.	1.3	8

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38	Experimental observation of edge-dependent quantum pseudospin Hall effect. <i>Physical Review B</i> , 2021, 104, .	1.1	6
39	Existence of corner modes in elastic twisted kagome lattices. <i>Physical Review B</i> , 2021, 104, .	1.1	12
40	Topological bound states in elastic phononic plates induced by disclinations. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2022, 38, .	1.5	14
41	Excitation and detection of acoustic phonons in nanoscale systems. <i>Nanoscale</i> , 2022, 14, 13428-13451.	2.8	15
42	Topological sound in two dimensions. <i>Annals of the New York Academy of Sciences</i> , 2022, 1517, 63-77.	1.8	4
43	Finite-Frequency Topological Maxwell Modes in Mechanical Self-Dual Kagome Lattices. <i>Physical Review Letters</i> , 2022, 129, .	2.9	8
44	Tailoring Structure-€Borne Sound through Bandgap Engineering in Phononic Crystals and Metamaterials: A Comprehensive Review. <i>Advanced Functional Materials</i> , 2023, 33, .	7.8	37
45	Unlocking Novel Ultralow-Frequency Band Gap: Assembled Cellular Metabarrier for Broadband Wave Isolation. <i>Materials</i> , 2022, 15, 8326.	1.3	0
46	Elastic Valley Spin Controlled Chiral Coupling in Topological Valley Phononic Crystals. <i>Physical Review Letters</i> , 2022, 129, .	2.9	9
47	Dynamics of Self-Dual Kagome Metamaterials and the Emergence of Fragile Topology. <i>Physical Review Letters</i> , 2023, 130, .	2.9	4
48	Realization of Topological Valley Hall Edge States of Elastic Waves in Phononic Crystals Based on Material Differences. <i>Physical Review Applied</i> , 2023, 19, .	1.5	6
49	Topological materials for elastic wave in continuum. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2023, 39, .	1.5	2