

# Klee Irwin

## List of Publications by Year in descending order

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37  
papers

183  
citations

1307594

7  
h-index

1372567

10  
g-index

47  
all docs

47  
docs citations

47  
times ranked

61  
citing authors

#	ARTICLE	IF	CITATIONS
1	Assessment of discrete breathers in the metallic hydrides. <i>Computational Materials Science</i> , 2019, 158, 389-397.	3.0	13
2	Heterotic supergravity with internal almost-Kähler spaces; instantons for $SO(3,2)$ , or $E_{6(6)}$ , gauge groups; and deformed black holes with soliton, quasiperiodic and/or pattern-forming structures. <i>Classical and Quantum Gravity</i> , 2017, 34, 075012.	4.0	12
3	Universal Quantum Computing and Three-Manifolds. <i>Symmetry</i> , 2018, 10, 773.	2.2	11
4	The Self-Simulation Hypothesis Interpretation of Quantum Mechanics. <i>Entropy</i> , 2020, 22, 247.	2.2	10
5	Methods for Calculating Empires in Quasicrystals. <i>Crystals</i> , 2017, 7, 304.	2.2	9
6	Off-diagonal deformations of Kerr metrics and black ellipsoids in heterotic supergravity. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	7
7	Quantum Computing, Seifert Surfaces, and Singular Fibers. <i>Quantum Reports</i> , 2019, 1, 12-22.	1.3	7
8	Group Geometrical Axioms for Magic States of Quantum Computing. <i>Mathematics</i> , 2019, 7, 948.	2.2	7
9	Complete Quantum Information in the DNA Genetic Code. <i>Symmetry</i> , 2020, 12, 1993.	2.2	7
10	Quantum Computation and Measurements from an Exotic Space-Time $R_4$ . <i>Symmetry</i> , 2020, 12, 736.	2.2	7
11	Finite Groups for the Kummer Surface: The Genetic Code and a Quantum Gravity Analogy. <i>Quantum Reports</i> , 2021, 3, 68-79.	1.3	7
12	Anamorphic quasiperiodic universes in modified and Einstein gravity with loop quantum gravity corrections. <i>Classical and Quantum Gravity</i> , 2017, 34, 185002.	4.0	6
13	Informationally Complete Characters for Quark and Lepton Mixings. <i>Symmetry</i> , 2020, 12, 1000.	2.2	6
14	The Code-Theoretic Axiom: The Third Ontology. <i>Reports in Advances of Physical Sciences</i> , 2019, 03, 1950002.	0.2	5
15	A New Approach to the Hard Problem of Consciousness: a Quasicrystalline Language of "Primitive Units of Consciousness" in Quantized Spacetime. <i>Activitas Nervosa Superior</i> , 2020, 62, 48-68.	0.4	5
16	Quantum Information in the Protein Codes, 3-Manifolds and the Kummer Surface. <i>Symmetry</i> , 2021, 13, 1146.	2.2	5
17	The search for a Hamiltonian whose energy spectrum coincides with the Riemann zeta zeroes. <i>International Journal of Geometric Methods in Modern Physics</i> , 2017, 14, 1750109.	2.0	4
18	Quasicrystal Tilings in Three Dimensions and Their Empires. <i>Crystals</i> , 2018, 8, 370.	2.2	4

#	ARTICLE	IF	CITATIONS
19	Closing Gaps in Geometrically Frustrated Symmetric Clusters: Local Equivalence between Discrete Curvature and Twist Transformations. Mathematics, 2018, 6, 89.	2.2	4
20	Starobinsky inflation and dark energy and dark matter effects from quasicrystal like spacetime structures. Annals of Physics, 2018, 394, 120-138.	2.8	4
21	Toward the Unification of Physics and Number Theory. Reports in Advances of Physical Sciences, 2019, 03, 1950003.	0.2	4
22	Periodic Modification of the Boerdijkâ€“Coxeter Helix (tetrahelix). Mathematics, 2019, 7, 1001.	2.2	4
23	Emergence of an Aperiodic Dirichlet Space from the Tetrahedral Units of an Icosahedral Internal Space. Mathematics, 2017, 5, 29.	2.2	3
24	Non-Local Game of Life in 2D Quasicrystals. Crystals, 2018, 8, 416.	2.2	3
25	Graph Coverings for Investigating Non Local Structures in Proteins, Music and Poems. Sci, 2021, 3, 39.	3.0	3
26	Group Theory of Syntactical Freedom in DNA Transcription and Genome Decoding. Current Issues in Molecular Biology, 2022, 44, 1417-1433.	2.4	3
27	Law of Sums of the Squares of Areas, Volumes and Hyper-Volumes of Regular Polytopes from Clifford Algebras. Advances in Applied Clifford Algebras, 2013, 23, 815-824.	1.0	2
28	Constructing numbers in quantum gravity: infinions. Journal of Physics: Conference Series, 2019, 1194, 012008.	0.4	2
29	Cabinet of Curiosities: The Interesting Geometry of the Angle $\hat{\Gamma}^2 = \arccos((3\hat{\Gamma} - 1)/4)$ . Fractal and Fractional, 2019, 3, 48.	3.3	2
30	The Unexpected Fractal Signatures in Fibonacci Chains. Fractal and Fractional, 2019, 3, 49.	3.3	1
31	Geometric State Sum Models from Quasicrystals. Foundations, 2021, 1, 155-168.	1.3	1
32	Space, Matter and Interactions in a Quantum Early Universe. Part II: Superalgebras and Vertex Algebras. Symmetry, 2021, 13, 2289.	2.2	1
33	Space, Matter and Interactions in a Quantum Early Universe Part I: Kacâ€“Moody and Borcherds Algebras. Symmetry, 2021, 13, 2342.	2.2	1
34	Empires: The Nonlocal Properties of Quasicrystals. , 0, , .		0
35	Symmetry transformation in Pd quasicrystals upon heating and hydrogenation. Computational Materials Science, 2020, 177, 109582.	3.0	0
36	The Curled Up Dimension in Quasicrystals. Crystals, 2021, 11, 1238.	2.2	0

#	ARTICLE	IF	CITATIONS
37	Character Varieties and Algebraic Surfaces for the Topology of Quantum Computing. <i>Symmetry</i> , 2022, 14, 915.	2.2	0