

# Sibel Baskal

## List of Publications by Year in descending order

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24  
papers

146  
citations

1307594

7  
h-index

1281871

11  
g-index

26  
all docs

26  
docs citations

26  
times ranked

66  
citing authors

#	ARTICLE	IF	CITATIONS
1	Lorentz group in classical ray optics. <i>Journal of Optics B: Quantum and Semiclassical Optics</i> , 2004, 6, S455-S472.	1.4	25
2	Lens optics as an optical computer for group contractions. <i>Physical Review E</i> , 2003, 67, 056601.	2.1	15
3	DUAL METRICS AND NONGENERIC SUPERSYMMETRIES FOR A CLASS OF SIKLOS SPACE-TIMES. <i>International Journal of Modern Physics A</i> , 2002, 17, 3737-3747.	1.5	10
4	Kaluza-Klein reduction of a quadratic curvature model. <i>General Relativity and Gravitation</i> , 2013, 45, 359-371.	2.0	10
5	GEOMETRIZATION OF THE LAX PAIR TENSORS. <i>Modern Physics Letters A</i> , 2000, 15, 1503-1510.	1.2	9
6	DUAL METRICS FOR A CLASS OF RADIATIVE SPACE-TIMES. <i>Modern Physics Letters A</i> , 2001, 16, 135-142.	1.2	9
7	de Sitter group as a symmetry for optical decoherence. <i>Journal of Physics A</i> , 2006, 39, 7775-7788.	1.6	9
8	Higher-derivative effective Yang-Mills theory and static spherically symmetric field configurations. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 1993, 19, 477-484.	3.6	8
9	Entangled Harmonic Oscillators and Space-Time Entanglement. <i>Symmetry</i> , 2016, 8, 55.	2.2	7
10	Rotations associated with Lorentz boosts. <i>Journal of Physics A</i> , 2005, 38, 6545-6556.	1.6	6
11	One analytic form for four branches of the ABCD matrix. <i>Journal of Modern Optics</i> , 2010, 57, 1251-1259.	1.3	6
12	Poincaré Symmetry from Heisenberg's Uncertainty Relations. <i>Symmetry</i> , 2019, 11, 409.	2.2	6
13	Einstein's $E=mc^2$ Derivable from Heisenberg's Uncertainty Relations. <i>Quantum Reports</i> , 2019, 1, 236-251.	1.3	6
14	Little groups and Maxwell-type tensors for massive and massless particles. <i>Europhysics Letters</i> , 1997, 40, 375-380.	2.0	5
15	Wigner's Space-Time Symmetries Based on the Two-by-Two Matrices of the Damped Harmonic Oscillators and the Poincaré Sphere. <i>Symmetry</i> , 2014, 6, 473-515.	2.2	4
16	Lens optics and the continuity problems of the ABCD matrix. <i>Journal of Modern Optics</i> , 2014, 61, 161-166.	1.3	3
17	Non-linearity, dissipation and transport in a molecular trimer. <i>Journal of Physics Condensed Matter</i> , 1993, 5, 899-906.	1.8	2
18	Loop Representation of Wigner's Little Groups. <i>Symmetry</i> , 2017, 9, 97.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Bäcklund transformations for harmonic maps in two independent variables. International Journal of Theoretical Physics, 1994, 33, 1371-1382.	1.2	1
20	On generalized local symmetries of the SO(2,1) invariant non-linear sigma model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 196, 43-46.	2.1	0
21	Lax tensors and separable coordinates in (2+1) dimensions. European Physical Journal D, 2000, 50, 1189-1194.	0.4	0
22	DIRAC GAMMA MATRICES AS REPRESENTATIONS OF THE ALGEBRA OF LITTLE GROUPS. Modern Physics Letters A, 2000, 15, 833-839.	1.2	0
23	Compatibility of non-generic supersymmetries and geometric duality for a subclass of generalized pp-wave metrics. AIP Conference Proceedings, 2004, , .	0.4	0
24	Wigner Rotations and Little Groups. Acta Physica Hungarica A Heavy Ion Physics, 2004, 19, 273-276.	0.4	0