

Nigel J Hitchin

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

6,157
citations

331642

21
h-index

345203

36
g-index

41
all docs

41
docs citations

41
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Very stable Higgs bundles, equivariant multiplicity and mirror symmetry. <i>Inventiones Mathematicae</i> , 2022, 228, 893-989.	2.5	3
2	The central sphere of an ALE space. <i>Quarterly Journal of Mathematics</i> , 2021, 72, 253-276.	0.8	0
3	Critical Loci for Higgs Bundles. <i>Communications in Mathematical Physics</i> , 2019, 366, 841-864.	2.2	9
4	Spinors, Lagrangians and rank 2 Higgs bundles. <i>Proceedings of the London Mathematical Society</i> , 2017, 115, 33-54.	1.3	4
5	Higgs Bundles and Characteristic Classes. <i>Progress in Mathematics</i> , 2016, , 247-264.	0.3	13
6	A Note on Vanishing Theorems. <i>Progress in Mathematics</i> , 2015, , 373-382.	0.3	7
7	Manifolds with holonomy $U^{*}(2m) \times U^{-}(2m)$. <i>Revista Matemática Complutense</i> , 2014, 27, 351-368.	1.2	3
8	Nonabelianization of Higgs bundles. <i>Journal of Differential Geometry</i> , 2014, 97, .	1.1	9
9	On the Hyperkähler/Quaternion Kähler Correspondence. <i>Communications in Mathematical Physics</i> , 2013, 324, 77-106.	2.2	32
10	The Symplectic Geometry of Moduli Spaces of Connections and Geometric Quantization. <i>Progress of Theoretical Physics Supplement</i> , 2013, 102, 159-174.	0.1	2
11	Generalized holomorphic bundles and the B-field action. <i>Journal of Geometry and Physics</i> , 2011, 61, 352-362.	1.4	28
12	Stable bundles and polyvector fields. <i>Springer Proceedings in Mathematics</i> , 2011, , 135-156.	0.5	1
13	Geometry and physics. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2010, 368, 913-926.	3.4	22
14	Geometry and Physics: A Personal View. , 2010, , 1-10.		1
15	LANGLANDS DUALITY AND G2 SPECTRAL CURVES. <i>Quarterly Journal of Mathematics</i> , 2007, 58, 319-344.	0.8	26
16	Bihermitian metrics on Del Pezzo surfaces. <i>Journal of Symplectic Geometry</i> , 2007, 5, 1-8.	0.5	28
17	Instantons, Poisson Structures and Generalized Kähler Geometry. <i>Communications in Mathematical Physics</i> , 2006, 265, 131-164.	2.2	97
18	Brackets, forms and invariant functionals. <i>Asian Journal of Mathematics</i> , 2006, 10, 541-560.	0.3	17

#	ARTICLE	IF	CITATIONS
19	Gravitational Instantons of Type Dk. Communications in Mathematical Physics, 2005, 260, 299-317.	2.2	41
20	Generalized Calabi-Yau Manifolds. Quarterly Journal of Mathematics, 2003, 54, 281-308.	0.8	666
21	A LECTURE ON THE OCTAHEDRON. Bulletin of the London Mathematical Society, 2003, 35, 577-600.	0.8	20
22	Curvature and characteristic numbers of hyper-Kähler manifolds. Duke Mathematical Journal, 2001, 106, 599.	1.5	25
23	The Geometry of Three-Forms in Six Dimensions. Journal of Differential Geometry, 2000, 55, 547.	1.1	171
24	L ² -Cohomology of Hyperkähler Quotients. Communications in Mathematical Physics, 2000, 211, 153-165.	2.2	41
25	Geometrical aspects of Schlesinger's equation. Journal of Geometry and Physics, 1997, 23, 287-300.	1.4	34
26	Symmetric monopoles. Nonlinearity, 1995, 8, 661-692.	1.4	96
27	Lie groups and teichmüller space. Topology, 1992, 31, 449-473.	0.3	274
28	Flat connections and geometric quantization. Communications in Mathematical Physics, 1990, 131, 347-380.	2.2	194
29	The Symplectic Geometry of Moduli Spaces of Connections and Geometric Quantization. Progress of Theoretical Physics Supplement, 1990, 102, 159-174.	0.1	6
30	Spectral curves and the ADHM method. Communications in Mathematical Physics, 1988, 114, 463-474.	2.2	17
31	The Geometry and Dynamics of Magnetic Monopoles. , 1988, , .		454
32	Stable bundles and integrable systems. Duke Mathematical Journal, 1987, 54, 91.	1.5	545
33	Hyperkähler metrics and supersymmetry. Communications in Mathematical Physics, 1987, 108, 535-589.	2.2	759
34	On the construction of monopoles. Communications in Mathematical Physics, 1983, 89, 145-190.	2.2	250
35	Monopoles and geodesics. Communications in Mathematical Physics, 1982, 83, 579-602.	2.2	285
36	Construction of instantons. Physics Letters, Section A: General, Atomic and Solid State Physics, 1978, 65, 185-187.	2.1	1,135

#	ARTICLE	IF	CITATIONS
37	Harmonic Spinors. <i>Advances in Mathematics</i> , 1974, 14, 1-55.	1.1	581
38	Compact four-dimensional Einstein manifolds. <i>Journal of Differential Geometry</i> , 1974, 9, 435.	1.1	248