

# Matthias Kreck

## List of Publications by Year in descending order

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24  
papers

460  
citations

933447

10  
h-index

713466

21  
g-index

26  
all docs

26  
docs citations

26  
times ranked

78  
citing authors

#	ARTICLE	IF	CITATIONS
1	Surgery and Duality. <i>Annals of Mathematics</i> , 1999, 149, 707.	4.2	98
2	On the classification of topological 4-manifolds with finite fundamental group. <i>Mathematische Annalen</i> , 1988, 280, 85-104.	1.4	69
3	A Diffeomorphism Classification of 7-Dimensional Homogeneous Einstein Manifolds with $SU(3) \tilde{\times} SU(2) \tilde{\times} U(1)$ -symmetry. <i>Annals of Mathematics</i> , 1988, 127, 373.	4.2	61
4	Some nondiffeomorphic homeomorphic homogeneous 7-manifolds with positive sectional curvature. <i>Journal of Differential Geometry</i> , 1991, 33, 465.	1.1	57
5	Nonconnected moduli spaces of positive sectional curvature metrics. <i>Journal of the American Mathematical Society</i> , 1993, 6, 825-850.	3.9	38
6	Smooth structures on algebraic surfaces with cyclic fundamental group. <i>Inventiones Mathematicae</i> , 1988, 91, 53-59.	2.5	28
7	TOPOLOGICAL 4-MANIFOLDS WITH GEOMETRICALLY TWO-DIMENSIONAL FUNDAMENTAL GROUPS. <i>Journal of Topology and Analysis</i> , 2009, 01, 123-151.	0.5	15
8	Cancellation, elliptic surfaces and the topology of certain four-manifolds.. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1993, 1993, 79-100.	0.9	13
9	On the cut-and-paste property of higher signatures of a closed oriented manifold. <i>Topology</i> , 2002, 41, 725-744.	0.3	10
10	Smooth structures on algebraic surfaces with finite fundamental group. <i>Inventiones Mathematicae</i> , 1990, 102, 109-114.	2.5	9
11	Cancellation of hyperbolic forms and topological four-manifolds.. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1993, 1993, 21-48.	0.9	8
12	Homotopy Self-Equivalences of 4-Manifolds. <i>Mathematische Zeitschrift</i> , 2004, 248, 147.	0.9	6
13	$\pi_1$ -cobordisms between $\pi_1$ -connected 4-manifolds. <i>Geometry and Topology</i> , 2001, 5, 1-6.	1.3	6
14	Simply connected asymmetric manifolds. <i>Journal of Topology</i> , 2009, 2, 249-261.	0.5	5
15	A guide to the classification of manifolds. , 2000, , 121-134.		4
16	Positivity of topological field theories in dimension at least 5. <i>Journal of Topology</i> , 2008, 1, 663-670.	0.5	4
17	On the classification of 1-connected 7-manifolds with torsion free second homology. <i>Journal of Topology</i> , 2018, 11, 720-738.	0.5	4
18	On 5-manifolds with free fundamental group and simple boundary links in $S^5$ . <i>Geometry and Topology</i> , 2017, 21, 2989-3008.	1.3	3

#	ARTICLE	IF	CITATIONS
19	Simply connected asymmetric manifolds. <i>Journal of Topology</i> , 2011, 4, 254-255.	0.5	2
20	On the classification of topological 4-manifolds with finite fundamental group: corrigendum. <i>Mathematische Annalen</i> , 2018, 372, 527-530.	1.4	2
21	Ist 4 denn noch normal?. , 1994, , 237-253.		2
22	Recognizing products of surfaces and simply connected $4$ -manifolds. <i>Proceedings of the American Mathematical Society</i> , 2014, 143, 2253-2262.	0.8	1
23	Free abelian covers, short loops, stable length, and systolic inequalities. <i>Mathematische Annalen</i> , 2007, 340, 709-729.	1.4	0
24	Finiteness and infiniteness results for Torelli groups of (hyper-)Kähler manifolds. <i>Mathematische Annalen</i> , 2021, 381, 841.	1.4	0