

# Frank Kutzschebauch

## List of Publications by Year in descending order

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Version: 2024-02-01

46  
papers

498  
citations

840776

11  
h-index

839539

18  
g-index

47  
all docs

47  
docs citations

47  
times ranked

45  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | An equivariant version of Grauert's Oka principle. <i>Inventiones Mathematicae</i> , 1995, 119, 317-346.  | 2.5 | 38        |
| 2  | Density property for hypersurfaces $UV = P(\{X\})$ . <i>Mathematische Zeitschrift</i> , 2007, 258, 115-131.   | 0.9 | 38        |
| 3  | Criteria for the density property of complex manifolds. <i>Inventiones Mathematicae</i> , 2008, 172, 71-87.   | 2.5 | 37        |
| 4  | Nonlinearizable holomorphic group actions. <i>Mathematische Annalen</i> , 1998, 311, 41-53.   | 1.4 | 27        |
| 5  | On the present state of the Andersson-Lempert theory. <i>CRM Proceedings &amp; Lecture Notes</i> , 2011, , 85-122.  | 0.1 | 25        |
| 6  | Algebraic volume density property of affine algebraic manifolds. <i>Inventiones Mathematicae</i> , 2010, 181, 605-647.  | 2.5 | 24        |
| 7  | Holomorphic factorization of mappings into $SL_n(\mathbb{C})$ . <i>Annals of Mathematics</i> , 2012, 175, 45-69.  | 4.2 | 24        |
| 8  | NON-EQUIVALENT EMBEDDINGS INTO COMPLEX EUCLIDEAN SPACES. <i>International Journal of Mathematics</i> , 2006, 17, 1033-1046.   | 0.5 | 15        |
| 9  | The algebraic density property for affine toric varieties. <i>Journal of Pure and Applied Algebra</i> , 2015, 219, 3685-3700.   | 0.6 | 14        |
| 10 | ON ALGEBRAIC VOLUME DENSITY PROPERTY. <i>Transformation Groups</i> , 2016, 21, 451-478.   | 0.7 | 13        |
| 11 | ANDERSSON-LEMPERT-THEORY WITH PARAMETERS: A REPRESENTATION THEORETIC POINT OF VIEW. <i>Journal of Algebra and Its Applications</i> , 2005, 04, 325-340.                                 | 0.4 | 12        |
| 12 | Embedding some Riemann surfaces into $\mathbb{C}^2$ with interpolation. <i>Mathematische Zeitschrift</i> , 2009, 262, 603-611.  | 0.9 | 12        |
| 13 | Algebraic (volume) density property for affine homogeneous spaces. <i>Mathematische Annalen</i> , 2017, 367, 1311-1332.   | 1.4 | 11        |
| 14 | On the number of factors in the unipotent factorization of holomorphic mappings into $SL_2(\mathbb{C})$ . <i>Proceedings of the American Mathematical Society</i> , 2012, 140, 823-838. | 0.8 | 9         |
| 15 | Holomorphic families of nonequivalent embeddings and of holomorphic group actions on affine space. <i>Duke Mathematical Journal</i> , 2013, 162, .                                      | 1.5 | 9         |
| 16 | Homotopy principles for equivariant isomorphisms. <i>Transactions of the American Mathematical Society</i> , 2017, 369, 7251-7300.  | 0.9 | 9         |
| 17 | The fibred density property and the automorphism group of the spectral ball. <i>Mathematische Annalen</i> , 2018, 370, 917-936.   | 1.4 | 9         |
| 18 | Subvarieties of $C^n$ with non-extendable automorphisms. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1999, 1999, 213-235.  | 0.9 | 9         |

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 19 | On the uniqueness of the analyticity of a proper G-action. Manuscripta Mathematica, 1996, 90, 17-22.  | 0.6 | 8         |
| 20 | An interpolation theorem for proper holomorphic embeddings. Mathematische Annalen, 2007, 338, 545-554.  | 1.4 | 8         |
| 21 | An Oka principle for equivariant isomorphisms. Journal Fur Die Reine Und Angewandte Mathematik, 2015, 2015, 193-214.  | 0.9 | 8         |
| 22 | On subelliptic manifolds. Israel Journal of Mathematics, 2018, 228, 229-247.  | 0.8 | 8         |
| 23 | Factorization by elementary matrices, null-homotopy and products of exponentials for invertible matrices over rings. Analysis and Mathematical Physics, 2019, 9, 1005-1018. | 1.3 | 8         |
| 24 | Infinite Transitivity on Affine Varieties. , 2013, , 1-13.  |     | 8         |
| 25 | Flexibility Properties in Complex Analysis and Affine Algebraic Geometry. Springer Proceedings in Mathematics and Statistics, 2014, , 387-405.                              | 0.2 | 8         |
| 26 | On the Density and the Volume Density Property. Springer Proceedings in Mathematics and Statistics, 2015, , 175-186.  | 0.2 | 8         |
| 27 | Holomorphic automorphisms of Danielewski surfaces I " density of the group of overshers. Proceedings of the American Mathematical Society, 2011, 139, 3915-3927.            | 0.8 | 8         |
| 28 | Equivariant Affine Line Bundles and Linearization. Mathematical Research Letters, 1996, 3, 619-627.   | 0.5 | 8         |
| 29 | SUFFICIENT CONDITIONS FOR HOLOMORPHIC LINEARISATION. Transformation Groups, 2017, 22, 475-485.  | 0.7 | 7         |
| 30 | An Oka Principle for a Parametric Infinite Transitivity Property. Journal of Geometric Analysis, 2017, 27, 2018-2043.   | 1.0 | 7         |
| 31 | The density property for Gizatullin surfaces completed by four rational curves. Proceedings of the American Mathematical Society, 2017, 145, 5097-5108.                     | 0.8 | 7         |
| 32 | A solution of Gromov's Vaserstein problem. Comptes Rendus Mathematique, 2008, 346, 1239-1243.   | 0.3 | 6         |
| 33 | Complete algebraic vector fields on affine surfaces. International Journal of Mathematics, 2020, 31, 2050018.   | 0.5 | 6         |
| 34 | Some results on embedding Stein spaces with interpolation. Arkiv for Matematik, 2005, 43, 419-425.  | 0.5 | 5         |
| 35 | Holomorphic Automorphisms of Danielewski Surfaces II: Structure of the Overshear Group. Journal of Geometric Analysis, 2015, 25, 1859-1889.                                 | 1.0 | 5         |
| 36 | Carleman approximation by holomorphic automorphisms of $\hat{\mathbb{A}}^n$ . Journal Fur Die Reine Und Angewandte Mathematik, 2018, 2018, 131-148.                         | 0.9 | 5         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 37 | An equivariant parametric Oka principle for bundles of homogeneous spaces. <i>Mathematische Annalen</i> , 2018, 370, 819-839.                              | 1.4 | 5         |
| 38 | Exponential factorizations of holomorphic maps. <i>Bulletin of the London Mathematical Society</i> , 2019, 51, 995-1004.                                   | 0.8 | 5         |
| 39 | Subvarieties of $\hat{\mathbb{A}}_{n,n}$ with non-extendable automorphisms. <i>Journal Fur Die Reine Und Angewandte Mathematik</i> , 1999, 1999, 213-235.  | 0.9 | 4         |
| 40 | Factorization of symplectic matrices into elementary factors. <i>Proceedings of the American Mathematical Society</i> , 2020, 148, 1963-1970.              | 0.8 | 4         |
| 41 | Embeddings through discrete sets of balls. <i>Arkiv for Matematik</i> , 2008, 46, 251-269.   | 0.5 | 3         |
| 42 | Gromov's Oka Principle for Equivariant Maps. <i>Journal of Geometric Analysis</i> , 2020, 31, 6102.  | 1.0 | 3         |
| 43 | A Characterization of Linearizability for Holomorphic $\hat{\mathbb{A}}_{n,n}^*$ -Actions. <i>International Mathematics Research Notices</i> , 0, , .      | 1.0 | 2         |
| 44 | Embedding Riemann surfaces with isolated punctures into the complex plane. <i>Proceedings of the American Mathematical Society</i> , 2020, 148, 4831-4835. | 0.8 | 1         |
| 45 | LINEARIZATION OF HOLOMORPHIC FAMILIES OF ALGEBRAIC AUTOMORPHISMS OF THE AFFINE PLANE. <i>Transformation Groups</i> , 0, , 1.                               | 0.7 | 0         |
| 46 | Holomorphic Lie group actions on Danielewski surfaces. <i>Complex Variables and Elliptic Equations</i> , 2023, 68, 1801-1811.                              | 0.8 | 0         |