

# Wolfgang Hofmeister

## List of Publications by Year in descending order

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41  
papers

1,685  
citations

516710

16  
h-index

289244

40  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2357  
citing authors

#	ARTICLE	IF	CITATIONS
1	Zircon M257 – a Homogeneous Natural Reference Material for the Ion Microprobe U–Pb Analysis of Zircon. <i>Geostandards and Geoanalytical Research</i> , 2008, 32, 247-265.	3.1	591
2	A comparative study of the physicochemical properties of iron isomaltoside 1000 (Monofer®), a new intravenous iron preparation and its clinical implications. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2011, 78, 480-491.	4.3	220
3	Zebrafish Models of Neurodevelopmental Disorders: Limitations and Benefits of Current Tools and Techniques. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1296.	4.1	72
4	Growth zoning and strain patterns inside diamond crystals as revealed by Raman maps. <i>American Mineralogist</i> , 2005, 90, 745-748.	1.9	66
5	Whole-Genome Sequencing of Cytogenetically Balanced Chromosome Translocations Identifies Potentially Pathological Gene Disruptions and Highlights the Importance of Microhomology in the Mechanism of Formation. <i>Human Mutation</i> , 2017, 38, 180-192.	2.5	58
6	Crystal Structure of the Microwave Dielectric Resonator Ba <sub>2</sub> Ti <sub>9</sub> O <sub>20</sub> . <i>Journal of the American Ceramic Society</i> , 1983, 66, 268-271.	3.8	57
7	Spectroscopic 2D-tomography: Residual pressure and strain around mineral inclusions in diamonds. <i>European Journal of Mineralogy</i> , 2004, 15, 931-935.	1.3	57
8	Different mutations in <i>PDE4D</i> associated with developmental disorders with mirror phenotypes. <i>Journal of Medical Genetics</i> , 2014, 51, 45-54.	3.2	57
9	Zircon M127 – A Homogeneous Reference Material for <sup>41</sup> Ca/ <sup>43</sup> Ca SIMS U–Pb Geochronology Combined with Hafnium, Oxygen and, Potentially, Lithium Isotope Analysis. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 457-475.	3.1	49
10	Variations on the theme of closest packing: The structural chemistry of barium titanate compounds. <i>Journal of Solid State Chemistry</i> , 1985, 58, 14-28.	2.9	39
11	Effects of natural radiation damage on back-scattered electron images of single crystals of minerals. <i>American Mineralogist</i> , 2006, 91, 1739-1746.	1.9	35
12	<i>CTNND2</i> – a candidate gene for reading problems and mild intellectual disability. <i>Journal of Medical Genetics</i> , 2015, 52, 111-122.	3.2	35
13	Geochemical and petrological characteristics of Eppawala phosphate deposits, Sri Lanka. <i>Mineralium Deposita</i> , 2003, 38, 505-515.	4.1	34
14	Radio-colouration of diamond: a spectroscopic study. <i>Contributions To Mineralogy and Petrology</i> , 2013, 165, 843-861.	3.1	31
15	WNT3 involvement in human bladder exstrophy and cloaca development in zebrafish. <i>Human Molecular Genetics</i> , 2015, 24, 5069-5078.	2.9	23
16	Identification of three novel <i>FGF16</i> mutations in X-linked recessive fusion of the fourth and fifth metacarpals and possible correlation with heart disease. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2014, 2, 402-411.	1.2	17
17	Targeted copy number screening highlights an intragenic deletion of <i>WDR63</i> as the likely cause of human occipital encephalocele and abnormal CNS development in zebrafish. <i>Human Mutation</i> , 2018, 39, 495-505.	2.5	17
18	Gemstones from Vietnam: An Update. <i>Gems &amp; Gemology</i> , 2012, 48, 158-176.	0.6	17

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19	Morphosynthesis of Strontianite Nanowires Using Polyacrylate Templates Tethered onto Self-Assembled Monolayers. <i>Langmuir</i> , 2005, 21, 3981-3986.	3.5	16
20	Comparison of magnetic and transport properties of Gd <sub>6</sub> Y <sub>2</sub> Pd <sub>3</sub> and Gd <sub>7</sub> Pd <sub>3</sub> single crystals. <i>Journal of Alloys and Compounds</i> , 2008, 460, 1-7.	5.5	16
21	<i>Alu-Alu</i> mediated intragenic duplications in <i>IFT81</i> and <i>MATN3</i> are associated with skeletal dysplasias. <i>Human Mutation</i> , 2018, 39, 1456-1467.	2.5	16
22	Prehnite: Structural similarity of the monoclinic and orthorhombic polymorphs and their Si/Al ordering. <i>Journal of Solid State Chemistry</i> , 1990, 86, 330-333.	2.9	15
23	Rubies and Sapphires from Snezhnoe, Tajikistan. <i>Gems &amp; Gemology</i> , 2015, , 160-175.	0.6	15
24	A morphogenetic EphB/EphrinB code controls hepatopancreatic duct formation. <i>Nature Communications</i> , 2019, 10, 5220.	12.8	14
25	Roman lava quarries in the Eifel region (Germany): geochemical data for millstone provenance studies. <i>Journal of Archaeological Science</i> , 2009, 36, 1774-1782.	2.4	13
26	Distinct expression patterns of syndecans in the embryonic zebrafish brain. <i>Gene Expression Patterns</i> , 2013, 13, 126-132.	0.8	13
27	Frizzled-3a and Wnt-8b genetically interact during forebrain commissural formation in embryonic zebrafish. <i>Brain Research</i> , 2013, 1506, 25-34.	2.2	12
28	Geochemical provenance analyses of Roman lava millstones north of the Alps: a study of their distribution and implications for the beginning of Roman lava quarrying in the Eifel region (Germany). <i>Journal of Archaeological Science</i> , 2011, 38, 1603-1620.	2.4	11
29	Frizzled-3a and slit2 genetically interact to modulate midline axon crossing in the telencephalon. <i>Mechanisms of Development</i> , 2012, 129, 109-124.	1.7	11
30	A Preliminary Study on the Separation of Natural and Synthetic Emeralds Using Vibrational Spectroscopy. <i>Gems &amp; Gemology</i> , 2015, 50, 287-292.	0.6	10
31	Further support linking the 22q11.2 microduplication to an increased risk of bladder exstrophy and highlighting LZTR1 as a candidate gene. <i>Molecular Genetics &amp; Genomic Medicine</i> , 2019, 7, e666.	1.2	9
32	Chemoattractant axon guidance cues regulate de novo axon trajectories in the embryonic forebrain of zebrafish. <i>Developmental Biology</i> , 2012, 367, 126-139.	2.0	7
33	Corundum Anorthosites-Kyshtymites from the South Urals, Russia: A Combined Mineralogical, Geochemical, and U-Pb Zircon Geochronological Study. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 234.	2.0	7
34	Aquamarine from the Thuong Xuan District, Thanh Hoa Province, Vietnam. <i>Gems &amp; Gemology</i> , 2011, 47, 42-48.	0.6	7
35	Comparative study of the microstructural and magnetic properties of fly ashes obtained from different thermal power plants in West Bengal, India. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 8673-8683.	2.7	6
36	Validation of Powder X-Ray Diffraction Following EN ISO/IEC 17025. <i>Journal of Forensic Sciences</i> , 2012, 57, 722-737.	1.6	4

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37	A Systematic Exposition of Methods used for Quantification of Heart Regeneration after Apex Resection in Zebrafish. <i>Cells</i> , 2020, 9, 548.	4.1	4
38	Apex Resection in Zebrafish ( <i>Danio rerio</i> ) as a Model of Heart Regeneration: A Video-Assisted Guide. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5865.	4.1	2
39	High Temperature Study of Metamict Rinkite. <i>Solid State Phenomena</i> , 2013, 203-204, 331-334.	0.3	1
40	Structural, thermal, dielectric and ferroelectric properties of $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3$ and $\text{Na}_{0.5}\text{K}_{0.5}\text{NbO}_3 + 0.5\text{mol}\%\text{MnO}_2$ ceramics. <i>Phase Transitions</i> , 2014, 87, 992-1001.	1.3	1
41	Crystal Inclusions in Diamonds and Other Crystals. <i>Solid State Phenomena</i> , 0, 203-204, 21-23.	0.3	0