

# Thomas E Weirich

## List of Publications by Year in descending order

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116  
papers

3,417  
citations

159585  
30  
h-index

155660  
55  
g-index

119  
all docs

119  
docs citations

119  
times ranked

4212  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | An interface clusters mixture model for the structure of amorphous silicon monoxide (SiO). <i>Journal of Non-Crystalline Solids</i> , 2003, 320, 255-280.   | 3.1  | 231       |
| 2  | Light- $\text{e}^-$ -Mediated Heterogeneous Cross Dehydrogenative Coupling Reactions: Metal Oxides as Efficient, Recyclable, Photoredox Catalysts in C $\equiv$ C Bond-Forming Reactions. <i>Chemistry - A European Journal</i> , 2012, 18, 3478-3481.                      | 3.3  | 213       |
| 3  | Behavior of Ba(Co, Fe, Nb)O <sub>3-<math>\delta</math></sub> Perovskite in CO <sub>2</sub> -Containing Atmospheres: Degradation Mechanism and Materials Design. <i>Chemistry of Materials</i> , 2010, 22, 6246-6253.  | 6.7  | 180       |
| 4  | Behavior of oxygen vacancies in single-crystal SrTiO <sub>3</sub> : Equilibrium distribution and diffusion kinetics. <i>Physical Review B</i> , 2012, 85, .   | 3.2  | 176       |
| 5  | A crystal structure determined with 0.02 Å... accuracy by electron microscopy. <i>Nature</i> , 1996, 382, 144-146.  | 27.8 | 159       |
| 6  | Ultrastructural Analysis of Vascular Calcifications in Uremia. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 689-696.  | 6.1  | 157       |
| 7  | A kinetic study of the decomposition of the cubic perovskite-type oxide Ba <sub>x</sub> Sr <sub>1-x</sub> Co <sub>0.8</sub> Fe <sub>0.2</sub> O <sub>3-<math>\delta</math></sub> (BSCF) ( $x = 0.1$ and 0.5). <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 10320. | 2.8  | 157       |
| 8  | The structure of charoite, (K,Sr,Ba,Mn) <sub>15</sub> (Ca,Na) <sub>32</sub> [(Si <sub>70</sub> (O,OH) <sub>180</sub> ](OH,F) <sub>4.0</sub> solved by conventional and automated electron diffraction. <i>Mineralogical Magazine</i> , 2010, 74, 159-177.                   | 3.9  | 157       |
| 9  | Rietveld analysis of electron powder diffraction data from nanocrystalline anatase, TiO <sub>2</sub> . <i>Ultramicroscopy</i> , 2000, 81, 263-270.  | 1.9  | 89        |
| 10 | Quasiregular quantum-dot-like structure formation with postgrowth thermal annealing of InGaN/GaN quantum wells. <i>Applied Physics Letters</i> , 2002, 80, 2571-2573.   | 3.3  | 79        |
| 11 | On the mechanism of WC $\text{e}^-$ -Co hardmetals with various carbon contents. <i>International Journal of Refractory Metals and Hard Materials</i> , 2009, 27, 234-243.  | 3.8  | 79        |
| 12 | Ab initio determination of the framework structure of the heavy-metal oxide Cs <sub>x</sub> Nb <sub>2.54</sub> W <sub>2.46</sub> O <sub>14</sub> from 100kV precession electron diffraction data. <i>Ultramicroscopy</i> , 2006, 106, 164-175.                              | 1.9  | 78        |
| 13 | Structures of nanometre-size crystals determined from selected-area electron diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, 29-35.   | 0.3  | 72        |
| 14 | Formation and Effect of NH <sub>4</sub> <sup>+</sup> Intermediates in NH <sub>3</sub> <sup>+</sup> SCR over Fe-ZSM-5 Zeolite Catalysts. <i>ACS Catalysis</i> , 2016, 6, 7696-7700.  | 11.2 | 68        |
| 15 | Effect of Si-doping on InAs nanowire transport and morphology. <i>Journal of Applied Physics</i> , 2011, 110, .   | 2.5  | 61        |
| 16 | Electrodeposition of a protective copper/nickel deposit on the magnesium alloy (AZ31). <i>Corrosion Science</i> , 2008, 50, 1385-1390.  | 6.6  | 60        |
| 17 | Laser interference metallurgy: A new method for periodic surface microstructure design on multilayered metallic thin films. <i>Applied Surface Science</i> , 2007, 253, 8070-8074.  | 6.1  | 59        |
| 18 | Structural, compositional, optical and colorimetric characterization of TiN-nanoparticles. <i>European Physical Journal D</i> , 2004, 31, 69-76.  | 1.3  | 55        |

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|----|--|--|-----|-----------|
| 19 | Novel ultra-coarse hardmetal grades with reinforced binder for mining and construction. International Journal of Refractory Metals and Hard Materials, 2005, 23, 225-232.  |  | 3.8 | 55        |
| 20 | CO <sub>2</sub> corrosion and recovery of perovskite-type BaCo <sub>1-x-y</sub> FexNb <sub>y</sub> O <sub>3</sub> membranes. Journal of Membrane Science, 2013, 437, 49-56.  |  | 8.2 | 55        |
| 21 | Hybrid sol-gel double metal cyanide catalysts for the copolymerisation of styrene oxide and CO <sub>2</sub> . Green Chemistry, 2012, 14, 1168.   |  | 9.0 | 54        |
| 22 | Size-Selective, Stabilizer-Free, Hydrogenolytic Synthesis of Iridium Nanoparticles Supported on Carbon Nanotubes. Chemistry of Materials, 2011, 23, 2008-2010.   |  | 6.7 | 45        |
| 23 | Nanoimprint and selective-area MOVPE for growth of GaAs/InAs core/shell nanowires. Nanotechnology, 2013, 24, 085603.   |  | 2.6 | 45        |
| 24 | Structure of nanocrystalline anatase solved and refined from electron powder dataPresented at the microsymposium on Electron Crystallography of Small Molecules and Organic Materials, 19th European Crystallographic Meeting, Nancy, France, 25-31 August 2000.. Acta Crystallographica Section A: Foundations and Advances, 2002, 58, 308-315. |  | 0.3 | 41        |
| 25 | Plastic deformation behavior of nanostructured CrN/AlN multilayer coatings deposited by hybrid dcMS/HPPMS. Surface and Coatings Technology, 2017, 332, 253-261.  |  | 4.8 | 41        |
| 26 | Effects of Nb on the microstructure and corrosive property in the Alloy 690-SUS 304L weldment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2005, 397, 229-238.   |  | 5.6 | 40        |
| 27 | Wear characteristics of second-phase-reinforced sol-gel corundum abrasives. Acta Materialia, 2006, 54, 3605-3615.  |  | 7.9 | 37        |
| 28 | Interface structure, chemistry and properties of NiAl composites fabricated from matrix-coated single-crystalline Al <sub>2</sub> O <sub>3</sub> fibres (sapphire) with and without an hBN interlayer. Acta Materialia, 2006, 54, 2473-2488.   |  | 7.9 | 36        |
| 29 | Preparation of Nanosized Perovskite-type Oxides via Polyol Method. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 2083-2089.   |  | 1.2 | 32        |
| 30 | Analysis of Calcifications in Patients with Coral Reef Aorta. Annals of Vascular Surgery, 2010, 24, 408-414.   |  | 0.9 | 30        |
| 31 | An in situ XAS investigation of the kinetics of the ammonolysis of Ga <sub>2</sub> O <sub>3</sub> and the oxidation of GaN. Physical Chemistry Chemical Physics, 2009, 11, 3127.   |  | 2.8 | 29        |
| 32 | A pretreatment with galvanostatic etching for copper electrodeposition on pure magnesium and magnesium alloys in an alkaline copper-sulfate bath. Electrochimica Acta, 2008, 53, 7235-7241.  |  | 5.2 | 27        |
| 33 | Long-term structural surface modifications of mixed conducting La <sub>2</sub> NiO <sub>4+δ</sub> at high temperatures. Monatshefte Fuer Chemie, 2009, 140, 1095-1102.   |  | 1.8 | 25        |
| 34 | Micro-Analysis of the Contact Zone of Tribologically Loaded Second-Phase Reinforced Sol-Gel-Abrasives. CIRP Annals - Manufacturing Technology, 2002, 51, 245-250.  |  | 3.6 | 24        |
| 35 | Development of Hybrid Polymer Electrolyte Membranes Based on the Semi-Interpenetrating Network Concept. Fuel Cells, 2006, 6, 225-236.  |  | 2.4 | 24        |
| 36 | A new approach to fabrication of gradient WC-Co hardmetals. International Journal of Refractory Metals and Hard Materials, 2010, 28, 228-237.  |  | 3.8 | 24        |

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|----|---|-----|-----------|
| 37 | Ti9Se2 - Eine Verbindung mit kolumnaren?1[Ti9]-Baueinheiten. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 1996, 622, 630-634.  | 1.2 | 23        |
| 38 | Electron crystallography without limits? Crystal structure of Ti45Se16redetermined by electron diffraction structure analysis. Acta Crystallographica Section A: Foundations and Advances, 2001, 57, 183-191.   | 0.3 | 21        |
| 39 | In-Situ Preparation of Polymer-Coated Alumina Nanopowders by Chemical Vapor Synthesis. Chemical Vapor Deposition, 2003, 9, 40-44.   | 1.3 | 21        |
| 40 | TEM Investigations of Fine Niobium Precipitates in HSLA Steel. Steel Research International, 2004, 75, 753-758.   | 1.8 | 21        |
| 41 | Synthesis of TiO2 core/RuO2 shell particles using multistep ultrasonic spray pyrolysis. Materials Research Bulletin, 2013, 48, 3633-3635.   | 5.2 | 21        |
| 42 | The blocking effect of surface dislocations on oxygen tracer diffusion in SrTiO <sub>3</sub> . Physical Chemistry Chemical Physics, 2018, 20, 15455-15463.  | 2.8 | 21        |
| 43 | Microstructural Study of the Dissimilar Joints of Alloy 690 and SUS 304L Stainless Steel. Materials Transactions, 2007, 48, 481-489.  | 1.2 | 20        |
| 44 | Complexion at WC-Co grain boundaries of cemented carbides. Materials Letters, 2017, 187, 7-10.  | 2.6 | 20        |
| 45 | Structural and Magnetic Properties of Ni/NiOxide- and Co/CoOxide Core/Shell Nanoparticles and their possible Use for Ferrofluids. Zeitschrift Fur Physikalische Chemie, 2006, 220, 173-187.   | 2.8 | 19        |
| 46 | Extrusion of CNT-modified Polymers with Low Viscosity - Influence of Crystallization and CNT Orientation on the Electrical Properties. Polymers and Polymer Composites, 2013, 21, 473-482.  | 1.9 | 19        |
| 47 | Effects of post-growth thermal annealing on the indium aggregated structures in InGaN/GaN quantum wells. Journal of Crystal Growth, 2002, 242, 35-40.   | 1.5 | 18        |
| 48 | Novel nanoparticle matter: ZrN-nanoparticles. Applied Physics B: Lasers and Optics, 2003, 77, 681-686.  | 2.2 | 18        |
| 49 | Structural investigations of Pt <sup>x</sup> TiO <sub>x</sub> electrode stacks for ferroelectric thin film devices. Journal of Applied Physics, 2006, 99, 114107.   | 2.5 | 17        |
| 50 | Orientation of Well-Dispersed Multiwalled Carbon Nanotubes in Melt-Spun Polymer Fibers and Its Impact on the Formation of the Semicrystalline Polymer Structure: A Combined Wide-Angle X-ray Scattering and Electron Tomography Study. Macromolecules, 2013, 46, 5604-5613. | 4.8 | 17        |
| 51 | Transformation of nanoporous oxoselenoantimonates into Sb <sub>2</sub> O <sub>3</sub> nanoribbons and nanorods. Chemical Communications, 2005, , 5790.  | 4.1 | 16        |
| 52 | On the plastic deformation of chromium-based nitride hard coatings deposited by hybrid dcMS/HPPMS: A fundamental study using nanoscratch test. Surface and Coatings Technology, 2016, 308, 298-306.   | 4.8 | 16        |
| 53 | Evolution of the surface roughness (dynamic scaling) and microstructure of sputter-deposited Ag <sub>75</sub> Co <sub>25</sub> granular films. Journal of Physics Condensed Matter, 2000, 12, 9237-9245.  | 1.8 | 15        |
| 54 | Relaxation Behavior Study of Ultrasmall Superparamagnetic Iron Oxide Nanoparticles at Ultralow and Ultrahigh Magnetic Fields. Journal of Physical Chemistry B, 2011, 115, 14789-14793.  | 2.6 | 15        |

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|----|---|------|-----------|
| 55 | Crystal structure of octatitanium triselenide, $Ti_8Se_3$ . Zeitschrift Fur Kristallographie - Crystalline Materials, 1996, 211, .  | 0.8  | 14        |
| 56 | Electron diffraction structure analysis: structural research with low-quality diffraction data. Zeitschrift Fur Kristallographie - Crystalline Materials, 2003, 218, .  | 0.8  | 14        |
| 57 | TEM and nanomechanical studies on tribological surface modifications formed on roller bearings under controlled lubrication conditions. Journal of Materials Science, 2006, 41, 4543-4553.                                      | 3.7  | 14        |
| 58 | Structural and Electrochemical Properties of Nesting and Core/Shell Pt/TiO <sub>2</sub> Spherical Particles Synthesized by Ultrasonic Spray Pyrolysis. Metals, 2020, 10, 11.  | 2.3  | 14        |
| 59 | cis-Pt Mediated Assembly of Gold Nanoparticles on DNA. Journal of Cluster Science, 2007, 18, 193-204.   | 3.3  | 13        |
| 60 | Effect of target peak power density on the phase formation, microstructure evolution, and mechanical properties of Cr <sub>2</sub> AlC MAX-phase coatings. Journal of the European Ceramic Society, 2021, 41, 1841-1847.        | 5.7  | 13        |
| 61 | Effects of Thermal Annealing on the Structure of Ferroelectric Thin Films. Journal of the American Ceramic Society, 2006, 89, 1321-1325.  | 3.8  | 12        |
| 62 | Probing fatigue in ferroelectric thin films with subnanometer depth resolution. Applied Physics Letters, 2007, 91, 072905.  | 3.3  | 12        |
| 63 | Chemical vapor synthesis of nanocrystalline perovskites using laser flash evaporation of low volatility solid precursors. Review of Scientific Instruments, 2007, 78, 123903.   | 1.3  | 12        |
| 64 | Composition/Performance Evaluation of Lean NO <sub>x</sub> Trap Catalysts for Coupling with SCR Technology. ChemCatChem, 2021, 13, 1787-1805.   | 3.7  | 12        |
| 65 | Faster Diffusion of Oxygen Along Dislocations in (La,Sr)MnO <sub>3+δ</sub> Is a Space-Charge Phenomenon. Advanced Functional Materials, 2021, 31, 2105647.  | 14.9 | 12        |
| 66 | On the Stability of Isolated Iridium Sites in Ni-Rich Frameworks Against Agglomeration Under Reducing Conditions. ChemCatChem, 2022, 14, .  | 3.7  | 12        |
| 67 | Application of EDM Hole-Drilling Method to the Measurement of Residual Stress in Tool and Carbon Steels. Journal of Engineering Materials and Technology, Transactions of the ASME, 2006, 128, 468-475.                         | 1.4  | 11        |
| 68 | Structure and stability of $\hat{1}\pm$ - and $\hat{1}^2$ -Ti <sub>2</sub> Se. Electron diffraction versus density-functional theory calculations. Acta Crystallographica Section A: Foundations and Advances, 2003, 59, 18-21. | 0.3  | 10        |
| 69 | Structure of Cs <sub>0.5</sub> [Nb <sub>2.5</sub> W <sub>2.5</sub> O <sub>14</sub> ] analysed by focal-series reconstruction and crystallographic image processing. Acta Materialia, 2010, 58, 3764-3772.                       | 7.9  | 10        |
| 70 | Correlating the Synthesis, Structure, and Catalytic Performance of Pt-Re/TiO <sub>2</sub> for the Aqueous-Phase Hydrogenation of Carboxylic Acid Derivatives. ACS Catalysis, 2021, 11, 5119-5134.                               | 11.2 | 10        |
| 71 | Crystal structure determination from EM images and electron diffraction patterns. Advances in Imaging and Electron Physics, 2002, , 257-289.  | 0.2  | 9         |
| 72 | Energy filtering TEM analysis of nanoelectronic device structures: Fast and efficient way to assess chemical microstructures. Materials Science and Technology, 2008, 24, 667-674.  | 1.6  | 8         |

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|----|--|------|-----------|
| 73 | Comparison of InAs nanowire conductivity: influence of growth method and structure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012, 9, 230-234.  | 0.8  | 8         |
| 74 | Crystal structure of dititanium monoselenide, Ti <sub>2</sub> Se. <i>Zeitschrift Fur Kristallographie - Crystalline Materials</i> , 1996, 211, .   | 0.8  | 7         |
| 75 | Structural Investigations of (GaN)(NAs)/GaAs Multi-Quantum-Wells by Transmission Electron Microscopy. <i>Materials Research Society Symposia Proceedings</i> , 2000, 618, 291.   | 0.1  | 6         |
| 76 | First-principles calculations as a tool for structure validation in electron crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2004, 60, 75-81.   | 0.3  | 6         |
| 77 | Density inhomogeneity in ferroelectric thin films. <i>Applied Physics Letters</i> , 2006, 89, 052901.  | 3.3  | 6         |
| 78 | Dysprosium-doped ( $\text{Ba}_{\text{x}}\text{Sr}_{\text{y}}\text{TiO}_3$ ) thin films on Nickel Foils for Capacitor Applications. <i>Journal of the American Ceramic Society</i> , 2013, 96, 1228-1233.   | 3.8  | 6         |
| 79 | Microstructure, phase transformation and hardness of nanometric Cr-Al multilayer coatings. <i>Advances in Mechanical Engineering</i> , 2015, 7, 168781401558972.   | 1.6  | 6         |
| 80 | Novel hardmetals with nano-grain reinforced binder for hard-facings. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017, 67, 98-104.  | 3.8  | 6         |
| 81 | Electron tomography and nano-diffraction enabling the investigation of individual magnetic nanoparticles inside fibers of MR visible implants. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 315303.   | 2.8  | 6         |
| 82 | Oxygen Surface Exchange and Tracer Diffusion in Differently Oriented Thin Films of Cd-Doped CeO <sub>2</sub> . <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 36768-36777.  | 8.0  | 6         |
| 83 | Novel low-temperature lean NO <sub>x</sub> storage materials based on La <sub>0.5</sub> Sr <sub>0.5</sub> Fe <sub>1-x</sub> M <sub>x</sub> O <sub>3-δ</sub> /Al <sub>2</sub> O <sub>3</sub> infiltration composites (M = Ti, Zr, Nb). <i>Applied Catalysis B: Environmental</i> , 2021, 286, 119919. | 20.2 | 6         |
| 84 | The crystal structure of Zr <sub>2</sub> Se reinvestigated by electron crystallography and X-ray powder diffraction. <i>Crystallography Reports</i> , 2004, 49, 379-389.   | 0.6  | 5         |
| 85 | Monitoring structural influences on quantum transport in InAs nanowires. <i>Applied Physics Letters</i> , 2012, 101, 062104.   | 3.3  | 5         |
| 86 | Nanosegregation of ternary Cr-Ni-Fe alloy deposits electrodeposited from a Cr <sup>3+</sup> -based bath. <i>Materials Letters</i> , 2013, 93, 107-110.   | 2.6  | 5         |
| 87 | From conformal overgrowth to lateral growth of indium arsenide nano structures on silicon substrates by MOVPE. <i>Journal of Crystal Growth</i> , 2013, 370, 141-145.  | 1.5  | 5         |
| 88 | Self-assembly of biaxial discorectangular lead carbonate nanosheets into stacked ribbons studied by SAXS and HAADF-STEM tomographic tilt series. <i>Soft Matter</i> , 2014, 10, 9511-9522.   | 2.7  | 5         |
| 89 | Advances in the understanding of mesoporous transition aluminas: Unveiling the correlation between morphology and thermostability. <i>Journal of Solid State Chemistry</i> , 2022, 308, 122906.  | 2.9  | 5         |
| 90 | Title is missing!. <i>Ultramicroscopy</i> , 2007, 107, v.  | 1.9  | 4         |

| #   | ARTICLE  | IF  | CITATIONS |
|-----|--|-----|-----------|
| 91  | Periodic Cation Segregation in Cs <sub>0.44</sub> [Nb <sub>2.54</sub> W <sub>2.46</sub> O <sub>14</sub> ] Quantified by High-Resolution Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2014, 20, 1453-1462.  | 0.4 | 4         |
| 92  | Cold Gas Spraying of Nickel-Titanium Coatings for Protection Against Cavitation. <i>Journal of Thermal Spray Technology</i> , 2021, 30, 131-144.   | 3.1 | 4         |
| 93  | Characterization of Co <sub>25</sub> Ag <sub>75</sub> and (Co <sub>90</sub> Al <sub>10</sub> ) <sub>28</sub> Ag <sub>72</sub> granular films by electron diffraction, high-resolution transmission electron microscopy and electron spectroscopic imaging. <i>Journal of Electron Microscopy</i> , 2003, 52, 91-100. | 0.9 | 3         |
| 94  | Deactivation reactions on a commercial lean nox-trap - Effect of hydrocarbon nature, concentration and operation temperature. <i>Applied Catalysis A: General</i> , 2019, 585, 117178.   | 4.3 | 3         |
| 95  | Title is missing!. <i>Journal of Materials Science: Materials in Electronics</i> , 2003, 14, 49-53.  | 2.2 | 2         |
| 96  | Nanomechanical and analytical investigations of tribological layers for wear protection in slow-running roller bearings. <i>Philosophical Magazine</i> , 2006, 86, 5477-5495.  | 1.6 | 2         |
| 97  | From Fourier Series Towards Crystal Structures. , 2006, , 235-257.   |     | 2         |
| 98  | Electron Crystallography-Structure Determination by Combining HREM, Crystallographic Image Processing and Electron Diffraction. <i>Springer Series in Surface Sciences</i> , 2001, , 191-222.  | 0.3 | 2         |
| 99  | Crystal structure of defect pentavanadium tetratelluride, V <sub>4.64</sub> Te <sub>4</sub> . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 1997, 212, 301.   | 0.3 | 2         |
| 100 | Effect of gas nitriding in flowing ammonia on the hot-dip galvanising of the Dual-Phase steel DP500. <i>International Journal of Materials Research</i> , 2005, 96, 233-241.   | 0.8 | 2         |
| 101 | Chemical Reactivity of Tetrasulfur Tetranitride: Synthesis, Physical Properties, and Structural Characterization of the Amorphous Phase Cu <sub>7</sub> S <sub>4</sub> N <sub>4</sub> . <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2003, 629, 1751-1759.  | 1.2 | 1         |
| 102 | Contraction of high strength Invar steel during creep test. <i>Steel Research International</i> , 2003, 74, 376-385.   | 1.8 | 1         |
| 103 | Contrary Effects of Microstructure and Cleanliness on Tensile and Toughness Properties in Precipitation Hardening Stainless Steels. <i>Steel Research International</i> , 2012, 83, 434-444.   | 1.8 | 1         |
| 104 | Microstructural analysis of germanium modified tin-copper brazing filler metals for transient liquid phase bonding of aluminium. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2017, 48, 1257-1263.   | 0.9 | 1         |
| 105 | Controlled twinning and martensitic transformation in metastable AISI D3 (X210Cr12) steel by sequential deep rolling and liquid nitrogen cooling. <i>Materials Today Communications</i> , 2021, 28, 102484.  | 1.9 | 1         |
| 106 | Arteriosclerotic aorta calcifications characterized by TEM and electron crystallography. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s186-s186.  | 0.3 | 1         |
| 107 | Influence of Si-doping on structure in InAs nanowires. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2010, 66, s300-s300.  | 0.3 | 1         |
| 108 | Moderne TEM-Untersuchungen am Beispiel mikrolegierter Stähle. <i>Praktische Metallographie/Practical Metallography</i> , 2007, 44, 155-171.  | 0.3 | 1         |

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|-----|--|-----|-----------|
| 109 | Crystal structure of Ti45Se16Redetermined from Electron Diffraction Data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, s208-s208.   | 0.3 | 0         |
| 110 | Electron crystallography - structure determination with poor-quality diffraction data. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2002, 58, c43-c43.                                      | 0.3 | 0         |
| 111 | Chemical Reactivity of Tetrasulfur Tetranitride: Synthesis, Physical Properties, and Structural Characterization of the Amorphous Phase Cu7S4N4.. <i>ChemInform</i> , 2003, 34, no.                                | 0.0 | 0         |
| 112 | Structure of Cs <sub>x</sub> Nb <sub>2.54</sub> W <sub>2.46</sub> O <sub>14</sub> determined by exit wave reconstruction. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2006, 62, s187-s187. | 0.3 | 0         |
| 113 | The Electron Crystallography Forum - A new Corner for Electron Crystallographers at the Web. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, s209-s209.                              | 0.3 | 0         |
| 114 | Electron Powder Diffraction - An old topic rediscovered for structure determination of nanocrystalline materials. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2000, 56, s39-s39.           | 0.3 | 0         |
| 115 | Present status of electron crystallography on inorganic materials. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c115-c115.  | 0.3 | 0         |
| 116 | Microstructural and chemical surface and rim zone changes of ferriteperlite 42CrMo4 steel after electrochemical machining. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2021, 52, 1214-1229.                 | 0.9 | 0         |