

Anita Zeidler

List of Publications by Citations

Source: <https://exaly.com/author-pdf/718576/anita-zeidler-publications-by-citations.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

50
papers

1,288
citations

20
h-index

35
g-index

52
ext. papers

1,494
ext. citations

3.6
avg. IF

4.42
L-index

#	Paper	IF	Citations
50	Molecular origins of optoelectronic properties in coumarin dyes: toward designer solar cell and laser applications. <i>Journal of Physical Chemistry A</i> , 2012 , 116, 727-37	2.8	190
49	Generation and evaluation of dimension-reduced amino acid parameter representations by artificial neural networks. <i>Journal of Molecular Modeling</i> , 2001 , 7, 360-369	2	154
48	High-pressure transformation of SiO ₂ glass from a tetrahedral to an octahedral network: a joint approach using neutron diffraction and molecular dynamics. <i>Physical Review Letters</i> , 2014 , 113, 135501	7.4	85
47	Packing and the structural transformations in liquid and amorphous oxides from ambient to extreme conditions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 10045-8	11.5	58
46	Structure of liquid and glassy ZnCl ₂ . <i>Physical Review B</i> , 2010 , 82,	3.3	58
45	Establishing the structure of GeS(2) at high pressures and temperatures: a combined approach using x-ray and neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2009 , 21, 474217	1.8	53
44	Networks under pressure: the development of in situ high-pressure neutron diffraction for glassy and liquid materials. <i>Journal of Physics Condensed Matter</i> , 2015 , 27, 133201	1.8	50
43	Oxygen as a site specific probe of the structure of water and oxide materials. <i>Physical Review Letters</i> , 2011 , 107, 145501	7.4	46
42	Structural transformations on vitrification in the fragile glass-forming system CaAl ₂ O ₄ . <i>Physical Review Letters</i> , 2012 , 109, 235501	7.4	45
41	Isotope effects in water as investigated by neutron diffraction and path integral molecular dynamics. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 284126	1.8	44
40	Density-driven structural transformations in B ₂ O ₃ glass. <i>Physical Review B</i> , 2014 , 90,	3.3	42
39	Density-driven structural transformations in network forming glasses: a high-pressure neutron diffraction study of GeO ₂ glass up to 17.5 GPa. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 415102	1.8	39
38	Structure of eutectic liquids in the Au-Si, Au-Ge, and Ag-Ge binary systems by neutron diffraction. <i>Physical Review B</i> , 2011 , 83,	3.3	39
37	Identifying and characterising the different structural length scales in liquids and glasses: an experimental approach. <i>Physical Chemistry Chemical Physics</i> , 2013 , 15, 15286-308	3.6	36
36	Pressure-driven transformation of the ordering in amorphous network-forming materials. <i>Physical Review B</i> , 2016 , 93,	3.3	35
35	Mechanisms of network collapse in GeO ₂ glass: high-pressure neutron diffraction with isotope substitution as arbitrator of competing models. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 502101	1.8	31
34	Density-driven defect-mediated network collapse of GeSe ₂ glass. <i>Physical Review B</i> , 2014 , 90,	3.3	27

33	Pressure-induced structural changes in the network-forming isostatic glass GeSe ₄ : An investigation by neutron diffraction and first-principles molecular dynamics. <i>Physical Review B</i> , 2016 , 93,	3.3	22
32	Structural properties of liquid Ge ₂ Se ₃ : A first-principles study. <i>Physical Review B</i> , 2011 , 84,	3.3	21
31	Topological Ordering and Viscosity in the Glass-Forming GeSe System: The Search for a Structural or Dynamical Signature of the Intermediate Phase. <i>Frontiers in Materials</i> , 2017 , 4,	4	20
30	Structure and properties of densified silica glass: characterizing the order within disorder. <i>NPG Asia Materials</i> , 2020 , 12,	10.3	19
29	Specific heat capacity measurement of <i>Phyllostachys edulis</i> (Moso bamboo) by differential scanning calorimetry. <i>Construction and Building Materials</i> , 2016 , 125, 821-831	6.7	16
28	Partial structure investigation of the traditional bulk metallic glass Pd ₄₀ Ni ₄₀ P ₂₀ . <i>Physical Review B</i> , 2019 , 100,	3.3	15
27	Structure of the network glass-former ZnCl ₂ : From the boiling point to the glass. <i>Journal of Non-Crystalline Solids</i> , 2015 , 407, 235-245	3.9	15
26	Ordering on different length scales in liquid and amorphous materials. <i>Journal of Statistical Mechanics: Theory and Experiment</i> , 2019 , 2019, 114006	1.9	14
25	Pressure induced structural transformations in amorphous MgSiO ₃ and CaSiO ₃ . <i>Journal of Non-Crystalline Solids: X</i> , 2019 , 3, 100024	2.5	11
24	Material Profiling for Photocrystallography: Relating Single-Crystal Photophysical and Structural Properties of Luminescent Bis-Cyclometalated Iridium-Based Complexes. <i>Crystal Growth and Design</i> , 2013 , 13, 1826-1837	3.5	11
23	The bound coherent neutron scattering lengths of the oxygen isotopes. <i>Journal of Physics Condensed Matter</i> , 2012 , 24, 505105	1.8	8
22	Optimizing the counting times for sample-in-container scattering experiments. <i>Journal of Applied Crystallography</i> , 2016 , 49, 2249-2251	3.8	8
21	X-ray and neutron attenuation correction factors for spherical samples. <i>Journal of Applied Crystallography</i> , 2012 , 45, 122-123	3.8	7
20	Structure of praseodymium and neodymium gallate glasses. <i>Journal of Non-Crystalline Solids</i> , 2011 , 357, 2511-2515	3.9	7
19	Pressure-dependent structure of the null-scattering alloy Ti _{0.676} Zr _{0.324} . <i>High Pressure Research</i> , 2015 , 35, 239-246	1.6	6
18	A partial structure factor investigation of the bulk metallic glass Zr ₆₃ Ni ₂₅ Al ₁₂ as studied by using a combination of anomalous X-ray scattering and reverse Monte Carlo modeling. <i>International Journal of Materials Research</i> , 2012 , 103, 1108-1112	0.5	6
17	Structure of amorphous GeSe ₉ by neutron diffraction and first-principles molecular dynamics: Impact of trajectory sampling and size effects. <i>Journal of Chemical Physics</i> , 2016 , 145, 084502	3.9	6
16	Materials under pressure. <i>MRS Bulletin</i> , 2017 , 42, 710-713	3.2	5

15	Structure of semiconducting versus fast-ion conducting glasses in the Ag-Ge-Se system. <i>Royal Society Open Science</i> , 2018 , 5, 171401	3.3	5
14	Zeidler et al. Reply. <i>Physical Review Letters</i> , 2012 , 108,	7.4	5
13	Structure of the Intermediate Phase Glasses GeSe ₃ and GeSe ₄ : The Deployment of Neutron Diffraction With Isotope Substitution. <i>Frontiers in Materials</i> , 2019 , 6,	4	4
12	Structure of Glassy Ag ₂ Se by Neutron Diffraction with Isotope Substitution. <i>Zeitschrift Fur Physikalische Chemie</i> , 2016 , 230, 417-432	3.1	4
11	Structure of rare-earth chalcogenide glasses by neutron and x-ray diffraction. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 225703	1.8	3
10	Topological Analysis of Void Spaces in Tungstate Frameworks: Assessing Storage Properties for the Environmentally Important Guest Molecules and Ions: CO ₂ , UO ₂ , PuO ₂ , U, Pu, Sr ²⁺ , Cs ⁺ , CH ₄ , and H ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 2112-2129	8.3	2
9	Structure of As-Se glasses by neutron diffraction with isotope substitution. <i>Journal of Chemical Physics</i> , 2020 , 153, 154507	3.9	2
8	Structure of crystalline and amorphous materials in the NASICON system NaAlGe(PO). <i>Journal of Chemical Physics</i> , 2021 , 155, 074501	3.9	2
7	High-pressure neutron diffraction apparatus for investigating the structure of liquids under hydrothermal conditions. <i>High Pressure Research</i> , 2017 , 37, 529-544	1.6	1
6	Structural model for amorphous aluminosilicates.. <i>Journal of Chemical Physics</i> , 2022 , 156, 064503	3.9	1
5	Structure and dynamics of aqueous NaCl solutions at high temperatures and pressures. <i>Journal of Chemical Physics</i> , 2021 , 155, 194506	3.9	1
4	The Atomic-Scale Structure of Network Glass-Forming Materials. <i>Springer Series in Materials Science</i> , 2015 , 1-31	0.9	1
3	Neutron diffraction as a probe of liquid and glass structures under extreme conditions. <i>Neutron News</i> , 2016 , 27, 22-26	0.4	1
2	Detailed structural analysis of amorphous Pd ₄₀ Cu ₄₀ P ₂₀ : Comparison with the metallic glass Pd ₄₀ Ni ₄₀ P ₂₀ from the viewpoint of glass forming ability. <i>Journal of Non-Crystalline Solids</i> , 2021 , 555, 120536	3.9	1
1	Many-body effects at the origin of structural transitions in BO. <i>Journal of Chemical Physics</i> , 2019 , 151, 224508	3.9	0