

Lambert van Eijck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8161220/publications.pdf>

Version: 2024-02-01

56
papers

1,592
citations

304743

22
h-index

302126

39
g-index

58
all docs

58
docs citations

58
times ranked

2100
citing authors

#	ARTICLE	IF	CITATIONS
1	Unravelling the construction of silver filigree spheres from a seventeenth century shipwreck using non-invasive imaging. <i>Heritage Science</i> , 2022, 10, .	2.3	0
2	Neutron tomography of Van Leeuwenhoek's microscopes. <i>Science Advances</i> , 2021, 7, .	10.3	11
3	A case study for scientific research prior to conservation of marine metal artefacts. <i>Journal of Archaeological Science: Reports</i> , 2021, 37, 102909.	0.5	2
4	Neutron Diffraction Study of a Sintered Iron Electrode In Operando. <i>Journal of Physical Chemistry C</i> , 2021, 125, 16391-16402.	3.1	1
5	Tuning the magneto-elastic transition of (Mn,Fe,V) ₂ (P,Si) alloys to low magnetic field applications. <i>Journal of Alloys and Compounds</i> , 2020, 821, 153451.	5.5	17
6	Report of the Double-Molybdate Phase Cs ₂ Ba(MoO ₄) ₂ with a Palmierite Structure and Its Thermodynamic Characterization. <i>Inorganic Chemistry</i> , 2020, 59, 13162-13173.	4.0	5
7	Tuning ionic conductivity and electrode compatibility of Li ₃ YBr ₆ for high-performance all solid-state Li batteries. <i>Nano Energy</i> , 2020, 77, 105097.	16.0	41
8	Understanding the Activation of ZSM-5 by Phosphorus: Localizing Phosphate Groups in the Pores of Phosphate-Stabilized ZSM-5. <i>Chemistry of Materials</i> , 2020, 32, 9390-9403.	6.7	21
9	Structural and Thermodynamic Investigation of the Perovskite Ba ₂ NaMoO _{5.5} . <i>Inorganic Chemistry</i> , 2020, 59, 6120-6130.	4.0	1
10	Investigation of dehydrogenation of Ti-V-Cr alloy by using in-situ neutron diffraction. <i>Journal of Alloys and Compounds</i> , 2020, 844, 156130.	5.5	3
11	Investigation of the Cs ₂ (Mo,Te)O ₄ Solid Solution and Implications on the Joint Oxyde-Gaine System in Fast Neutron Reactors. <i>Inorganic Chemistry</i> , 2020, 59, 10172-10184.	4.0	1
12	Combined effect of annealing temperature and vanadium substitution for magnetocaloric Mn _{1.2} -VFe _{0.75} P _{0.5} Si _{0.5} alloys. <i>Journal of Alloys and Compounds</i> , 2019, 803, 671-677.	5.5	27
13	Tailoring Li ₆ PS ₅ Br ionic conductivity and understanding of its role in cathode mixtures for high performance all-solid-state Li-S batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 10412-10421.	10.3	64
14	Investigation of Li-ion transport in Li ₇ P ₃ S ₁₁ and solid-state lithium batteries. <i>Journal of Energy Chemistry</i> , 2019, 38, 1-7.	12.9	38
15	All-in-one improvement toward Li ₆ PS ₅ Br-Based solid electrolytes triggered by compositional tune. <i>Journal of Power Sources</i> , 2019, 410-411, 162-170.	7.8	134
16	A lithium argyrodite Li ₆ PS ₅ Cl _{0.5} Br _{0.5} electrolyte with improved bulk and interfacial conductivity. <i>Journal of Power Sources</i> , 2019, 412, 29-36.	7.8	67
17	Structural and thermodynamic study of Cs ₃ Na(MoO ₄) ₂ : Margin to the safe operation of sodium cooled fast reactors. <i>Journal of Solid State Chemistry</i> , 2019, 269, 1-8.	2.9	4
18	<i>in situ</i> high-temperature EXAFS measurements on radioactive and air-sensitive molten salt materials. <i>Journal of Synchrotron Radiation</i> , 2019, 26, 124-136.	2.4	22

#	ARTICLE	IF	CITATIONS
19	Thermodynamic study of Cs ₃ Na(MoO ₄) ₂ : Determination of the standard enthalpy of formation and standard entropy at 298.15 K. Journal of Chemical Thermodynamics, 2018, 120, 205-216.	2.0	15
20	Cold working consequence on the magnetocaloric effect of Ni ₅₀ Mn ₃₄ In ₁₆ Heusler alloy. Journal of Alloys and Compounds, 2018, 749, 211-216.	5.5	18
21	Facile Synthesis toward the Optimal Structure-Conductivity Characteristics of the Argyrodite Li ₆ PS ₅ Cl Solid-State Electrolyte. ACS Applied Materials & Interfaces, 2018, 10, 33296-33306.	8.0	158
22	FISH: A thermal neutron imaging station at HOR Delft. Journal of Archaeological Science: Reports, 2018, 20, 369-373.	0.5	3
23	<i>PDFgetN3</i> : atomic pair distribution functions from neutron powder diffraction data using <i>ad hoc</i> corrections. Journal of Applied Crystallography, 2018, 51, 1492-1497.	4.5	29
24	Structural and magnetic properties of hexagonal $\text{Mn}_2\text{Fe}_2\text{O}_7$ (stretchy="false")	2.3	2
25	Journal of Magnetism and Magnetic Materials, 2017, 433, 297-302. Structural and thermodynamic study of dicesium molybdate Cs ₂ Mo ₂ O ₇ : Implications for fast neutron reactors. Journal of Solid State Chemistry, 2017, 253, 89-102.	2.9	20
26	Revealing the relation between the structure, Li-ion conductivity and solid-state battery performance of the argyrodite Li ₆ PS ₅ Br solid electrolyte. Journal of Materials Chemistry A, 2017, 5, 21178-21188.	10.3	76
27	Phase Transitions of Thermoelectric TAGS-85. Inorganic Chemistry, 2017, 56, 15091-15100.	4.0	20
28	Design and performance of a novel neutron powder diffractometer: PEARL at TU Delft. Journal of Applied Crystallography, 2016, 49, 1398-1401.	4.5	34
29	Impact of Nanostructuring on the Phase Behavior of Insertion Materials: The Hydrogenation Kinetics of a Magnesium Thin Film. Journal of Physical Chemistry C, 2016, 120, 10185-10191.	3.1	23
30	Synthesis, structure and electrochemical performance of the argyrodite Li ₆ PS ₅ Cl solid electrolyte for Li-ion solid state batteries. Electrochimica Acta, 2016, 215, 93-99.	5.2	203
31	ECNS Instrumentation Report. Neutron News, 2016, 27, 9-9.	0.2	24
32	Hugo Rietveld (1932-2016). Journal of Applied Crystallography, 2016, 49, 1394-1395.	4.5	11
33	Neutron diffraction study on the magnetic structure of Fe ₂ P-based Mn _{0.66} Fe _{1.29} P _{1.56} melt-spun ribbons. Journal of Magnetism and Magnetic Materials, 2013, 340, 80-85.	2.3	30
34	Protein Surface and Core Dynamics Show Concerted Hydration-Dependent Activation. Angewandte Chemie - International Edition, 2013, 52, 665-668.	13.8	32
35	Gamma sensitivity of a ZnS:Ag(6-LiF) wavelength shifting fiber neutron detector in mixed neutron-gamma fields. , 2012, , .		4
36	Energy Landscapes of Human Acetylcholinesterase and Its Huperzine A-Inhibited Counterpart. Journal of Physical Chemistry B, 2012, 116, 14744-14753.	2.6	17

#	ARTICLE	IF	CITATIONS
37	Activity and molecular dynamics relationship within the family of human cholinesterases. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 6764.	2.8	18
38	Dynamical Coupling of Intrinsically Disordered Proteins and Their Hydration Water: Comparison with Folded Soluble and Membrane Proteins. <i>Biophysical Journal</i> , 2012, 103, 129-136.	0.5	79
39	Thermal motion in the multi-subunit protein, apoferritin, as probed by high energy resolution neutron spectroscopy. <i>Soft Matter</i> , 2011, 7, 6934.	2.7	7
40	Macromolecular dynamics in red blood cells investigated using neutron spectroscopy. <i>Journal of the Royal Society Interface</i> , 2011, 8, 590-600.	3.4	32
41	Are the Glass Forming Properties of Glycerol Changed when Disrupting the Hydrogen Bond Network by Addition of Silica Nanospheres?. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 101-107.	2.8	0
42	Recent Backscattering Instrument Developments at the ILL and SNS. <i>Zeitschrift Fur Physikalische Chemie</i> , 2010, 224, 33-60.	2.8	61
43	Elastic scattering studies of aligned DMPC multilayers on different hydrations. <i>Spectroscopy</i> , 2010, 24, 461-466.	0.8	6
44	Dynamics of heparan sulfate explored by neutron scattering. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 3360.	2.8	41
45	The structure of diaminodurene and the dynamics of the methyl groups. <i>Journal of Chemical Physics</i> , 2009, 130, 164519.	3.0	5
46	The Central Atom Size Effect on the Structure of Group 14 Tetratoxyls. <i>Chemistry - A European Journal</i> , 2009, 15, 6569-6572.	3.3	14
47	Localized Relaxational Dynamics of Succinonitrile. <i>Journal of Physical Chemistry C</i> , 2009, 113, 15007-15013.	3.1	9
48	Hydrogen in Porous Tetrahydrofuran Clathrate Hydrate. <i>ChemPhysChem</i> , 2008, 9, 1331-1337.	2.1	51
49	Softening of the potential-energy surface in polymer electrolytes on the addition of nanoparticles. <i>Chemical Physics</i> , 2005, 317, 282-288.	1.9	8
50	Dynamics and Lithium Binding Energies of Polyelectrolytes Based on Functionalized Poly(para-phenylene terephthalamide). <i>Journal of Physical Chemistry B</i> , 2005, 109, 7705-7712.	2.6	6
51	Local structure in a polymer-electrolyte model system with and without nanoparticles. <i>Physica B: Condensed Matter</i> , 2004, 350, E987-E990.	2.7	5
52	A quantitative study of the charge-transfer between conjugated thiophene rings in vibrationally excited states. <i>Physica B: Condensed Matter</i> , 2004, 350, 220-223.	2.7	7
53	Effect of Nanocrystalline Materials on Ionic Interactions in Polymer Electrolytes. <i>Macromolecules</i> , 2004, 37, 9591-9595.	4.8	7
54	Intermolecular Interactions in Bithiophene as a Model for Polythiophene. <i>Journal of Physical Chemistry A</i> , 2003, 107, 8980-8984.	2.5	44

#	ARTICLE	IF	CITATIONS
55	Localization of ferrocene in NaY zeolite by powder x-ray and neutron diffraction. Journal of Chemical Physics, 2002, 116, 10838-10845.	3.0	12
56	INS as a probe of inter-monomer angles in polymers. Applied Physics A: Materials Science and Processing, 2002, 74, s496-s498.	2.3	2