

Krisztian Kohary

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Atmospheric Convection Plays a Key Role in the Climate of Tidally Locked Terrestrial Exoplanets: Insights from High-resolution Simulations. <i>Astrophysical Journal</i> , 2020, 894, 84.	1.6	45
2	Mineral dust increases the habitability of terrestrial planets but confounds biomarker detection. <i>Nature Communications</i> , 2020, 11, 2731.	5.8	20
3	Ozone chemistry on tidally locked M dwarf planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1691-1705.	1.6	20
4	Implications of three-dimensional chemical transport in hot Jupiter atmospheres: Results from a consistently coupled chemistry-radiation-hydrodynamics model. <i>Astronomy and Astrophysics</i> , 2020, 636, A68.	2.1	60
5	Implications of different stellar spectra for the climate of tidally locked Earth-like exoplanets. <i>Astronomy and Astrophysics</i> , 2020, 639, A99.	2.1	16
6	The 3D Thermal, Dynamical, and Chemical Structure of the Atmosphere of HD 189733b: Implications of Wind-driven Chemistry for the Emission Phase Curve. <i>Astrophysical Journal</i> , 2018, 869, 28.	1.6	47
7	Can conventional phase-change memory devices be scaled down to single-nanometre dimensions?. <i>Nanotechnology</i> , 2017, 28, 035202.	1.3	25
8	Ultrahigh Storage Densities via the Scaling of Patterned Probe Phase-Change Memories. <i>IEEE Nanotechnology Magazine</i> , 2017, 16, 767-772.	1.1	13
9	Simulation of ultrahigh storage densities in nanoscale patterned probe phase change memories. , 2016, , .		1
10	Determination of the Anisotropic Elastic Properties of Rocksalt $\text{Ge}_2\text{Sb}_2\text{Te}_5$ by XRD, Residual Stress, and DFT. <i>Journal of Physical Chemistry C</i> , 2016, 120, 5624-5629.	1.5	10
11	Modelling the phase-transition in phase-change materials. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 944-948.	0.7	8
12	Electric-field-assisted crystallisation in phase-change materials. <i>Physica Status Solidi (B): Basic Research</i> , 2012, 249, 1897-1901.	0.7	5
13	Electric field induced crystallization in phase-change materials for memory applications. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	33
14	Determination of the anisotropic elastic properties of $\text{Ge}_1\text{Sb}_2\text{Te}_4$. <i>Applied Physics Letters</i> , 2011, 98, 231911.	1.5	5
15	Exciplex kinetics in nanocrystal organic light-emitting diodes. <i>Journal of Materials Science: Materials in Electronics</i> , 2009, 20, 10-14.	1.1	5
16	Molecular dynamics simulations of amorphous carbon structures. <i>Journal of Non-Crystalline Solids</i> , 1998, 227-230, 594-596.	1.5	3