

John D Thrower

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7647957/publications.pdf>

Version: 2024-02-01

32
papers

630
citations

516215

16
h-index

580395

25
g-index

32
all docs

32
docs citations

32
times ranked

612
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective hydrogenation of graphene on Ir(111): an X-ray standing wave study. Faraday Discussions, 2022, , .	1.6	0
2	Ly β Irradiation of Superhydrogenated Coronene Films: Implications for H ₂ Formation. Astrophysical Journal Letters, 2021, 908, L18.	3.0	4
3	Superhydrogenation of pentacene: the reactivity of zigzag-edges. Physical Chemistry Chemical Physics, 2020, 22, 1557-1565.	1.3	20
4	Growth and electronic properties of bi- and trilayer graphene on Ir(111). Nanoscale, 2020, 12, 19776-19786.	2.8	5
5	Surface Science Investigations of Icy Mantle Growth on Interstellar Dust Grains in Cooling Environments. ACS Earth and Space Chemistry, 2019, 3, 1915-1931.	1.2	10
6	Identification of stable configurations in the superhydrogenation sequence of polycyclic aromatic hydrocarbon molecules. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5492-5498.	1.6	25
7	Deuteration of C ₆₀ on a highly oriented pyrolytic graphite surface. Proceedings of the International Astronomical Union, 2019, 15, 458-459.	0.0	1
8	Laboratory evidence for the formation of hydrogenated fullerene molecules. Proceedings of the International Astronomical Union, 2019, 15, 144-147.	0.0	3
9	H ₂ catalysis through superhydrogenation of interstellar polycyclic aromatic hydrocarbons. Proceedings of the International Astronomical Union, 2019, 15, 264-266.	0.0	1
10	XUV photodesorption of carbon cluster ions and ionic photofragments from a mixed methaneâ€“water ice. Physical Chemistry Chemical Physics, 2018, 20, 7457-7469.	1.3	3
11	Electron-Promoted Desorption from Water Ice Surfaces: Neutral Gas-Phase Products. ACS Earth and Space Chemistry, 2017, 1, 209-215.	1.2	12
12	Thermal desorption of astrophysically relevant molecules from forsterite(010). Monthly Notices of the Royal Astronomical Society, 2017, 472, 389-399.	1.6	22
13	The influence of coronene super-hydrogenation on the coronene-graphite interaction. Journal of Chemical Physics, 2016, 145, 174708.	1.2	11
14	Efficient electron-promoted desorption of benzene from water ice surfaces. Physical Chemistry Chemical Physics, 2016, 18, 4026-4034.	1.3	18
15	Thermal desorption of ammonia from crystalline forsterite surfaces. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3317-3327.	1.6	22
16	Hydrogenation of PAH molecules through interaction with hydrogenated carbonaceous grains. Physical Chemistry Chemical Physics, 2014, 16, 3381-3387.	1.3	17
17	Polycyclic aromatic hydrocarbons â€“ catalysts for molecular hydrogen formation. Faraday Discussions, 2014, 168, 223-234.	1.6	25
18	Highlights from Faraday Discussion 168: Astrochemistry of Dust, Ice and Gas, Leiden, The Netherlands, April 2014. Chemical Communications, 2014, 50, 13636-13644.	2.2	0

#	ARTICLE	IF	CITATIONS
19	Interaction between Coronene and Graphite from Temperature-Programmed Desorption and DFT-vdW Calculations: Importance of Entropic Effects and Insights into Graphite Interlayer Binding. <i>Journal of Physical Chemistry C</i> , 2013, 117, 13520-13529.	1.5	45
20	Laboratory studies of electron and ion irradiation of solid acetonitrile (CH ₃ CN). <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2013, 371, 20110586.	1.6	37
21	EXPERIMENTAL EVIDENCE FOR THE FORMATION OF HIGHLY SUPERHYDROGENATED POLYCYCLIC AROMATIC HYDROCARBONS THROUGH H ATOM ADDITION AND THEIR CATALYTIC ROLE IN H ₂ FORMATION. <i>Astrophysical Journal</i> , 2012, 752, 3.	1.6	75
22	THE CATALYTIC ROLE OF CORONENE FOR MOLECULAR HYDROGEN FORMATION. <i>Astrophysical Journal Letters</i> , 2012, 745, L2.	3.0	72
23	UV/Vis spectroscopy of C ₆₀ embedded in water ice. <i>Chemical Physics Letters</i> , 2012, 550, 79-82.	1.2	7
24	Superhydrogenated PAHs: Catalytic formation of H ₂ . <i>EAS Publications Series</i> , 2011, 46, 453-460.	0.3	7
25	Highly efficient electron-stimulated desorption of benzene from amorphous solid water ice. <i>Chemical Physics Letters</i> , 2011, 505, 106-111.	1.2	18
26	Photon- and electron-stimulated desorption from laboratory models of interstellar ice grains. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2010, 28, 799-806.	0.9	17
27	Thermal desorption of C ₆ H ₆ from surfaces of astrophysical relevance. <i>Journal of Chemical Physics</i> , 2009, 131, 244711.	1.2	34
28	Laboratory investigations of the interaction between benzene and bare silicate grain surfaces. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 394, 1510-1518.	1.6	45
29	Surface science investigations of photoprocesses in model interstellar ices. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2008, 26, 919-924.	0.9	18
30	Desorption of Hot Molecules from Photon Irradiated Interstellar Ices. <i>Astrophysical Journal</i> , 2008, 673, 1233-1239.	1.6	30
31	Meteorite nanoparticles as models for interstellar grains: Synthesis and preliminary characterisation. <i>Faraday Discussions</i> , 2006, 133, 103.	1.6	20
32	An experimental and theoretical study of the photoelectron spectrum of hydrogen selenide. <i>Chemical Physics</i> , 2005, 315, 121-132.	0.9	6