

List of publications

Bretislav Friedrich

May 4, 2021

217. B. Friedrich:

Obituary for Rudolf Zahradnik

Physics Today (scheduled to appear in June 2021).

216. M. Karra, B. Friedrich, and B. Schmidt:

Quantum dynamics of a polar rotor acted upon by an electric rectangular pulse of variable duration

Molecular Physics (submitted 2021). Festschrift for Jürgen Troe. arXiv:2105.00978v1 [quant-ph] 3 May 2021

215. M. Mirahmadi, B. Schmidt, and B. Friedrich:

Planar rotor dynamics driven by suddenly switched combined aligning and orienting interactions

New Journal of Physics (submitted 2021). arXiv:2102.11851v1 [quant-ph] 23 Feb 2021

214. H.G. Huber, H. Schmidt-Böcking, and B. Friedrich:

Walther Gerlach (1889-1979): Precision Physicist, Educator and Research Organizer, Historian of Science in Bretislav Friedrich and Horst Schmidt-Böcking (eds.): *Molecular Beams in Physics and Chemistry: From Otto Stern's Pioneering Exploits to Present-day Feats* Springer, Heidelberg (in press, 2021).

213. B. Friedrich and H. Schmidt-Böcking:

Otto Stern's Molecular Beam Method and its Impact on Quantum Physics

in Bretislav Friedrich and Horst Schmidt-Böcking (eds.): *Molecular Beams in Physics and Chemistry: From Otto Stern's Pioneering Exploits to Present-day Feats* Springer, Heidelberg (in press, 2021).

212. B. Friedrich and H. Schmidt-Böcking:

Preface to Molecular Beams in Physics and Chemistry: From Otto Stern's Pioneering Exploits to Present-day Feats

Springer, Heidelberg (in press, 2021).

211. B. Friedrich and H. Schmidt-Böcking (eds.):

Molecular Beams in Physics and Chemistry: From Otto Stern's Pioneering Feats to Present-day Accomplishments

Springer, Heidelberg (in press, 2021). <https://www.springer.com/gp/book/9783030639624>

210. H. Schwarz and B. Friedrich:

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209. B. Friedrich:
Manipulation of Molecules by Combined Permanent and Induced Dipole Forces, in *New Horizons in Chemistry: Electric Fields and Structure-Reactivity Aspects*, Sason Shaik and Thijs Stuyver (eds.)
The Royal Society of Chemistry (2021). ePub eISBN 978-1-83916-305-0
208. H. Schwarz and B. Friedrich:
Rudolf Zahradnik (1928-2020)
Chemistry World, 4 February 2021.
207. B. Friedrich:
A Paramount Problem Solved at Last: Paramagnetic Catalysis of Ortho-Para Hydrogen Conversion
Natural Sciences (2021) Nat. Sci. 2021;e10004 <https://doi.org/10.1002/ntls.10004>
206. T. Bielik and B. Friedrich:
Much out of Nothing: The Relationship between Fritz Haber and Chaim Weizmann
Israel Chemist and Chemical Engineer, Issue 7, 22-29 (2021). <https://doi.org/10.51167/ice00004>
205. H. Schwarz und B. Friedrich:
Rudolf Zahradnik (1928-2020): "Tue, was richtig ist!"
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204. B. Friedrich and D. Herschbach:
Jan Peter Toennies: An Ebullient Serendipitous Adventurer
Peter Toennies Festschrift (90th Birthday), Physical Chemistry Chemical Physics **23**, 7525-7540 (2021). DOI: 10.1039/d0cp90251a
203. B. Friedrich, M. Bronner, V. Yam, and G. Meijer:
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202. Y. Ding, S.S. Kale, Y. Chen, B. Friedrich, and S. Kais:
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201. T. Bielik and B. Friedrich:
Far Apart and Close Together: Fritz Haber and Chaim Weizmann
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200. B. Friedrich:
Pioneers of X-ray spectroscopy
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199. B. Friedrich, D. Herschbach, H. Schmidt-Böcking, and J.P. Toennies: *An international symposium (Wilhelm and Else Heraeus Seminar # 702) marked the centennial of Otto Stern's first molecular beam experiment and the thriving of atomic physics; a European Physical Society Historic Site was inaugurated*
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198. J. Fischer, F. Schlaghauser, E.-M. Lottner, A. Slenczka, L. Christiansen, H. Stapelfeldt, M. Karra, B. Friedrich, Th. Mullan, M. Schütz, and D. Usvyat:
Heterogeneous clusters of phthalocyanine and water prepared and probed in superfluid helium nanodroplets
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197. B. Friedrich:
Book Review: For Science, King, and Country: The prodigious life and untimely death of “Harry” Moseley
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Molecules Dressed in Electromagnetic Fields
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188. K. Schatz, B. Friedrich, S. Becker, and B. Schmidt:

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in *One Hundred Years of Chemical Warfare: Research, Deployment, Consequences*, pp. 25-

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Michael Polanyi (1891-1976): The life of the mind
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Clara Haber, nee Immerwahr (1870-1915): Life, work, and legacy
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162. B. Schmidt and B. Friedrich:

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