# Klaus Neymeyr 

## List of Publications by Year in descending order

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A fast polygon inflation algorithm to compute the area of feasible solutions for threeâ€component

A fast polygon inflation algorithm to compute the area of feasible solutions for threeâ€eomponent
4 systems. Il: Theoretical foundation, inverse polygon inflation, and <i>FACâ€PACK</i> implementation.

6 A geometric theory for preconditioned inverse iteration I: Extrema of the Rayleigh quotient. Linear
Algebra and Its Applications, 2001, 322, 61-85.

8 Reduction of the rotational ambiguity of curve resolution techniques under partial knowledge of the factors. Complementarity and coupling theorems. Journal of Chemometrics, 2012, 26, 526-537.
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11 Ats Applications, 2001, 322, 87-104.
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Investigation into the Equilibrium of Iridium Catalysts for the Hydroformylation of Olefins by
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15 Journal of Chemometrics, 2010, 24, 67-74.
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Multi-objective optimization for an automated and simultaneous phase and baseline correction of
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On the Analysis and Computation of the Area of Feasible Solutions for Two-, Three-, and
Four-Component Systems. Data Handling in Science and Technology, 2016, , 135-184.

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## 29 Does the signal contribution function attain its extrema on the boundary of the area of feasible solutions?. Chemometrics and Intelligent Laboratory Systems, 2020, 196, 103887.

Peak group analysis for the extraction of pure component spectra. Journal of the Iranian Chemical
Society, 2016, 13, 191-205.
Probing relaxation models by means of Fast Field-Cycling relaxometry, NMR spectroscopy and
31 molecular dynamics simulations: Detailed insight into the translational and rotational dynamics of a
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12 protic ionic liquid. Journal of Molecular Liquids, 2020, 319, 114207.

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33 Convergence Analysis of Gradient Iterations for the Symmetric Eigenvalue Problem. SIAM Journal on Matrix Analysis and Applications, 2011, 32, 443-456.

A Geometric Convergence Theory for the Preconditioned Steepest Descent Iteration. SIAM Journal on Numerical Analysis, 2012, 50, 3188-3207.
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?Neglect of Diatomic Differential Overlap? in nonempirical quantum chemical orbital theories. III. On
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<i> N </i>-methyl-6-oxyquinolone. RSC Advances, 2018, 8, 9922-9932.

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