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CHEMISTRY EDUCATION: CURRENT BIBLIOGRAPHY (2018)

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Abstract. A list of chosen papers on History and Philosophy of Chemistry, published in 2018 in the basic international journals in the field is presented. The modern trends in educational research in chemistry education are presented by another chosen collection of papers, published in the contemporary literature.

Keywords: history and philosophy; chemistry; chemistry education; bibliography

History and Philosophy of Science, and History and Philosophy of Chemistry in particular, is practically ignored in the School Chemistry. Wider inclusion of that topic in the process of teaching and learning would increase the motivation of students to learn Chemistry. We advocate for more humanistic features in teachers' lessons in class. In the second part of this article another chosen collection of papers, published in the contemporary educational literature, is presented. With these papers one can feel the topics in the modern science of education which seem to be important in the chemistry education.

History and philosophy of chemistry

Ambix: The Journal of the Society for the History of Alchemy and Chemistry, Volume 65, Numbers 1 – 4, 2018

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Gianfrancesco, L. (2018). Books, gold, and elixir: alchemy and religious orders in early modern Naples. *Ambix, 65,* 250 – 274.

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Irish, S.T. (2018). James Smithson on the calamines: chemical combination in crystals. *Ambix, 65,* 373 – 397.

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Lefèvre, W. (2018). The Méthode de nomenclature chimique (1787): a document of transition. *Ambix, 65,* 9 – 29.

Nye, M.J. & Weininger, S.J. (2018). Paper tools from the 1780s: nomenclature, classification, and representations. *Ambix, 65,* 1 – 8.

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Rasmussen, S.C. (2018). Revisiting the early history of synthetic polymers: critiques of new insights. *Ambix, 65,* 356 – 372.

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Isis – A Journal of the History of Science Society: An International Review Devoted to the History of Science and Its Cultural Influences, Volume 109, Numbers 1 – 4, 2018

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Hendersson, M.M.A. (2018). Criticizing chrysopoeia: alchemy, chemistry, academics, and satire in the northern Netherlands, 1650 – 1750. *Isis, 109,* 235 – 253.

Rocke, A.J. (2018). Theory versus practice in German chemistry: Erlenmeyer beyond the flask. *Isis,* 109, 254 – 275.

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