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**Chapter 0**

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33. Book series „Topics in Organometallic Chemistry“, Springer-Verlag, Berlin, Heidelberg, 69 vols. up to 2021 [Various topics of homogeneous catalysis]
34. Book series „Catalysis by Metal Complexes“, Springer-Verlag, Berlin, Heidelberg, 39 vols. up to 2017, [Books on theoretical and practical aspects of homogeneous catalysis]

**Appendix: „Catalysis Journals“**

**Homogeneous transition metal catalysis:**

* *Advanced Synthesis and Catalysis*
* *Molecular Catalysis (former: Journal of Molecular Catalysis A: Chemical)*

**Organometallic chemistry and homogeneous transition metal catalysis:**

* *Advances in Organometallic Chemistry*
* *Applied Organometallic Chemistry*
* *Coordination Chemistry Reviews*
* *Journal of Organometallic Chemistry*
* *Organometallics*
* *Topics in Organometallic Chemistry*
* *Transition Metal Chemistry*

**Catalysis (general, but often heterogeneous):**

* *ACS Catalysis*
* Advanced Synthesis & Catalysis
* *Advances in Catalysis*
* *Applied Catalysis A: General*
* *Catalysis Communications*
* *Catalysis Letters*
* *Catalysis Reviews: Science and Engineering*
* *Catalysis Science & Technology*
* *Catalysis Today*
* *Catalysts (open access)*
* *ChemCatChem*
* *Frontiers in Catalysis*
* *Green Synthesis and Catalysis (open access)*
* Nature Catalysis

**Journals which often also report on catalysis:**

* *Accounts of Chemical Research*
* *Angewandte Chemie, Int. Ed.*
* *Chemical Communications*
* *Chemical Engineering & Technology*
* *Chemical Reviews*
* Chemical Science
* *Chemical Society Reviews*
* *Chemistry – A European Journal*
* Chemistry – An Asian Journal
* *ChemSusChem*
* *Chimia*
* *Chinese Journal Chemistry*
* *Dalton Transactions*
* *Green Chemistry*
* *Johnson Matthey Technology Review (online:* *https://www.technology.matthey.com/)*
* *Journal of Organic Chemistry*
* *Journal of the American Chemical Society*
* Nature
* Nature Communications
* Nature Reviews Chemistry (online-only)
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**Chapter 13**

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**Chapter 18**

**Chapter 19**

The reference list in chapter 19 is divided into four sections in the same way as the corresponding text. The reader should bear in mind that in some cases the topics of the publications considerably overlap. When searching for a specific reference, also other subsections of the reference list must therefore be taken into account.

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**Chapter 25**

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**Chapter 28**

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**Chapter 34**

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**Chapter 35**

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**Chapter 36**

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The operation principle of a planetary mill is very well demonstrated in the following video: <https://www.fritsch.de/probenaufbereitung/mahlen/planetenmuehlen/details/produkt/pulverisette-7-classic-line/>**C:\Users\Arno Behr\AppData\Local\Microsoft\Windows\INetCache\Content.Outlook\1DPGHNGQ\Prof Behr Icon I.jpg**

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