

Anorganische & Analytische Chemie

Charakterentabelle	Charaktertafeln wichtiger Punktgr.	http://www.pci.tu-bs.de/aggericke/PC2/Punktgruppen/Punktgruppen.htm
Uni Freiburg AK Röhr	Extrem vollständige Unterlagen zu Analytik und AC in Bachelor & Master	http://ruby.chemie.uni-freiburg.de/Symmetrie - Anwendungen in der Chemie Methoden der Anorganischen Chemie Chemie der Metalle und der Nichtmetalle Anorganische Strukturchemie Festkörperchemie & Intermetallische Phasen
Some Chemistry Lecture Videos	AC + Metallorganik Videos	https://www.youtube.com/channel/UCPYSDwuCBVPS-TJgkqBoyWQ/videos
Frank Hoffmann, Uni Hamburg	AC05, AC10	https://www.youtube.com/c/FrankHoffmann1000/featured
Prof. Munz – Übersicht	Safety, Standard Operating Procedures (SOPs), and Laboratory Techniques Synthetic Chemistry / Computational Chemistry / Writing and Presenting / Online Material for Undergraduates and resonance and field parameters	https://www.uni-saarland.de/index.php?id=69912
A survey of Hammett substituent constants		https://pubs.acs.org/doi/10.1021/cr00002a004
Cyclic Voltammetry	A Practical Beginner's Guide	https://pubs.acs.org/doi/10.1021/acs.jchemed.7b00361
"Review of Reviews" on Carbenes and Carbene Ligands	Pushing Electrons—Which Carbene Ligand for Which Application?	https://pubs.acs.org/doi/abs/10.1021/acs.organomet.7b00720
C&EN Safety Letters	Safety notes on "dangerous" synthetic procedures.	http://pubsapp.acs.org/cen/safety/
The Schlenk Line Survival Guide	Illustrated guides designed to help you master air and moisture-sensitive chemistry	https://schlenklinesurvivalguide.com/
Virtual Lab	Basic, Advanced and Special Techniques NMR Spectroscopy	http://www.stalke.chemie.uni-goettingen.de/virtuelles_labor/video_categories_overview_en.html
How to Make a Carbene and Free Organic Radical	(Video & Protocol)	https://www.jove.com/t/59389/isolating-free-carbenes-their-mixed-dimers-and-organic-radicals
Organometallic and Coordination Chemistry: Constructing MO Diagrams	(Videos)	https://www.youtube.com/channel/UCPYSDwuCBVPS-TJgkqBoyWQ/videos
UC Irvine	Inorganic Chemistry Courses 107 (also available on YouTube)	http://ocw.uci.edu/courses/chem_107_inorganic_chemistry.html
Klüfer, Uni München	AC03 Koordinationschemie	http://chemie.uni-muenchen.de/ac/kluefers/homepage/L_kc.html
Reciprocal Net	Guide & Exercises to Determining the Point Group of a Molecule	http://www.reciprocalnet.org/edumodules/symmetry/
book Principles of General Chemistry	table of contents for the book Principles of General Chemistry	https://2012books.lardbucket.org/books/principles-of-general-chemistry-v1.0/index.html

Organische Chemie

The Organic Chemistry Tutor	Chemie, Physik, Mathe	https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA
Hirschhäuser Group	OC Videos (Bachelor & Master)	https://www.youtube.com/channel/UCAHArW8GI-F2JH8QJS1oFUg
I.O.C.	OC Buch – Grundlagen und mehr (Stellt Herr Jauch in OC04 kurz vor)	http://www.ioc-praktikum.de/iocp/buch/inhalt.pdf
MOC: Master organic chemistry	OC Bachelor & Master Worksheets, Handouts, Übungen	https://www.masterorganicchemistry.com/ runterscrollen und alle 25 Kapitel ansehen Quizzes: https://www.masterorganicchemistry.com/organic-chemistry-practice-problems/ free Downloadstuff: https://www.masterorganicchemistry.com/summary-sheets/ uvm.
Some Chemistry Lecture Videos	AC + Metallorganik Videos	https://www.youtube.com/channel/UCPYSdwuCBVPS-TJgkqBoyWQ/videos
Chemie Infographic	Handouts OC, NMR (Bachelor+Master)	https://cheminfographic.wordpress.com/
Prof. Bach, TU München	OC-Syntheseübungen mit Musterlösungen	https://www.department.ch.tum.de/oc1/vorlesungen/synthese/downloads/
Leah for Science	Complex organic chemistry concepts and mechanisms made easy through simple tutorials, step by step mechanisms, and detailed explanations every step of the way	https://www.youtube.com/c/Leah4sci
Prof. Gerald Dyker - VideoVorlesungen	Quer durch die OC – von Anfang bis „Ende“	https://www.ruhr-uni-bochum.de/oc2/dyker/Vorlesungen_1.html
Organic Chemistry Portal	Namensreaktionen (dt. & engl.)	https://www.organic-chemistry.org/
pKs Werte in versch. Lösemitteln	Bordwell pKa Table	https://organicchemistrydata.org/hansreich/resources/pka/
Evans pKa Table	pKa of inorganic an oxoacids	http://ccc.chem.pitt.edu/wipf/MechOMs/evans_pKa_table.pdf
Mayr's Reactivity Scales Poster 2019	Reactivity Scales Poster: Nucleophiles-Electrophiles	https://www.cup.lmu.de/oc/mayr/2019_MayrPoster.pdf
ReactionFlash App	Everything about named reactions	https://www.elsevier.com/solutions/reaxys/who-we-serve/reactionflash
Spectral Database for Organic Compounds SDBS	Spektren: MS, IR, 13C und 1H NMR, ESR, Raman	https://sdb.sdb.aist.go.jp/sdb/cgi-bin/direct_frame_top.cgi
NMR Shifts		NMR Shifts (OPRD) , NMR Shifts (OM) , NMR Shifts (JOC) , Hetero-NMR, NMR (19F)
Chemical Redox Agents	For organometallic chemistry	https://pubs.acs.org/doi/10.1021/cr940053x
NotVoodoo	Tips and Tricks for the synthetic chemist focusing on organic chemistry. Many useful "How-To's" and "How-Not-To's" and also safety-relevant information.	http://www.chem.rochester.edu/notvoodoo/
C&EN Safety Letters	Safety notes on "dangerous" synthetic procedures.	http://pubsapp.acs.org/cen/safety/
The Schlenk Line Survival Guide	Illustrated guides designed to help you master air and moisture-sensitive chemistry	https://schlenklinesurvivalguide.com/

Virtual Lab	Basic, Advanced and Special Techniques NMR Spectroscopy	http://www.stalke.chemie.uni-goettingen.de/virtuelles_labor/video_categories_overview_en.html
Organometallic and Coordination Chemistry: Constructing MO Diagrams	(Videos)	https://www.youtube.com/channel/UCPYSDwuCBVPS-TJgkqBoyWQ/videos
Organometallic HyperTextBook	Organometallics in a Nutshell	http://www.ilpi.com/organomet/index.html
Nmr tips	NMR-Übungen	https://www.nmr.tips/
Chemistry by Design	App Syntheseübungen	https://chemistrybydesign.oia.arizona.edu/

Physikalische Chemie – Mathe- Physik

The Organic Chemistry Tutor	Chemie, Physik, Mathe	https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA
Eugene Khutoryansky	Physik (PC)	https://www.youtube.com/user/EugeneKhutoryansky
TMP Chem	Quantenmechanik (PC) quer durch die PC	https://www.youtube.com/channel/UC3dZQdfv67X49cZkoXWYSwQ
Up and Atom	Quantenmechanik (PC) & Physik	https://www.youtube.com/channel/UCSlvk78tK2TiviLQn4fSHaw
Mathematiqua	Mathe	https://www.youtube.com/channel/UC67MulLj6TNJ7bcw2MIPuzg
Charakterentabelle	Charaktertafeln wichtiger Punktgr.	http://www.pci.tu-bs.de/aggericke/PC2/Punktgruppen/Punktgruppen.htm
Prof. Munz – Übersicht (AC im Fokus aber auch Allgemeines)	Inkl. Computational Chemistry: Zipse's Computational Chemistry Course: Vast collection and discussion of inputs for common computational tasks (mainly Gaussian; also ORCA, Molpro). Collection of key literature. ORCA Input Library & Tutorials & Forum: Freeware after registration; provides also workshop material Turbomole Documentation / MolCAS Documentation / Gaussian Documentation NBO (commercial) / Chemcraft: GUI (temporary freeware) / Avogadro: GUI (freeware) IBOView: High-Quality Rendering, IBOs free CylView: Visualizing Transition States free Multiwfn: Electronic Wavefunction Analysis free	https://www.uni-saarland.de/index.php?id=69912

OpenBabel: File Format Interconversion
(freeware)
Basis Set Exchange
Computational Chemistry List: General Forum
Barriers vs. Reaction Time
Truhlar's Database on Frequency Scale
Factors

Sonstiges/Allgemeines

The Organic Chemistry Tutor	Chemie, Physik, Mathe	https://www.youtube.com/channel/UCEWpbFLzoYGPfuWUMFPSaoA
Royal Society of Chemistry	Quer durch die Chemie und das Studium	https://edu.rsc.org/student https://edu.rsc.org/resources/higher-education https://edu.rsc.org/resources/burning-hydrocarbons-organic-chemistry-worksheets-14-16/4012552.article?fbclid=IwAR3-kceLhCS6xgUrQzhtiU6K15HAJcUq4gd4j8xrGSISGQn_Aza--oV_V_w
Interaktives PSE	Infos zu den Elementen	http://www.periodensystem.info/periodensystem/
Datenbank-Infosystem (DBIS)	Übersicht Homepages: Journals, Namensreaktionen usw.	https://dbis.uni-regensburg.de/dbliste.php?bib_id=sulb_sb&colors=255&ocolors=40&lett=f&qebiete=3
Sarah Chem	Chemie (Bachelor+Master) Erklärvideos + Tipps/Trick zum Studium + Allgemeines	https://www.youtube.com/channel/UCDQCpxYOI1WwdevimSg6nEw/videos
All about Chemistry	Chemie – Videos	https://www.youtube.com/c/AllBoutChemistry/videos
MIT Open Course Ware (Cambridge, Boston)	Kostenlose Kurse zu Chemie und Chemical Engineering	https://openlearning.mit.edu/ speziell Chemie
Prof. Munz – Übersicht	Safety, Standard Operating Procedures (SOPs), and Laboratory Techniques Synthetic Chemistry Computational Chemistry Writing and Presenting Online Material for Undergraduates	https://www.uni-saarland.de/index.php?id=69912
NIST – Reference for Data	u.a. IR/UV-VIS/GC Daten..	NIST Chemistry Webbook : Reference for Chemical Data NIST Physical Reference Data : Reference for Physical Data
Standard Electrode Potentials and Temperature Coefficients in Water at 298.15 K		https://aip.scitation.org/doi/10.1063/1.555839
ChemInfoGraphics	Collection of excellent chemical infographics	https://cheminfographic.wordpress.com/
PSE zum ausdrucken		https://lms.sulb.uni-saarland.de/moodle/enrol/index.php?id=226