Complete Volume List for Science of Synthesis Volumes

Knowledge Update Volumes	Publication Year	Number of Pages	ISBN/DOI
Knowledge Update 2022/3	2022	564	978-3-13-245284-8 10.1055/b000000643
Knowledge Update 2022/2	2022	500	978-3-13-245193-3 10.1055/b000000642
Knowledge Update 2022/1	2022	552	978-3-13-245147-6 10.1055/b000000641
Knowledge Update 2021/3	2021	510	978-3-13-244209-2 10.1055/b000000500
Knowledge Update 2021/2	2021	500	978-3-13-244206-1 10.1055/b000000477
Knowledge Update 2021/1	2020	558	978-3-13-244195-8 10.1055/b000000476
Knowledge Update 2020/3	2020	532	978-3-13-243564-3 10.1055/b000000104
Knowledge Update 2020/2	2020	538	978-3-13-243561-2 10.1055/b000000103
Knowledge Update 2020/1	2020	484	978-3-13-243558-2 10.1055/b000000102
Knowledge Update 2019/3	2019	484	978-3-13-242967-3 10.1055/b-006-166044
Knowledge Update 2019/2	2019	498	978-3-13-242963-5 10.1055/b-006-166043
Knowledge Update 2019/1	2019	506	978-3-13-242959-8 10.1055/b-006-166042
Knowledge Update 2018/4	2018	494	978-3-13-242325-1 10.1055/b-006-161209
Knowledge Update 2018/3	2018	508	978-3-13-242321-3 10.1055/b-006-161208
Knowledge Update 2018/2	2018	518	978-3-13-242317-6 10.1055/b-006-160285
Knowledge Update 2018/1	2018	502	978-3-13-242313-8 10.1055/b-005-145253
Knowledge Update 2017/3	2017	498	978-3-13-241418-1 10.1055/b-005-143665
Knowledge Update 2017/2	2017	542	978-3-13-241414-3 10.1055/b-004-140262
Knowledge Update 2017/1	2017	522	978-3-13-241410-5 10.1055/b-004-140261
Knowledge Update 2016/3	2017	560	978-3-13-220911-4 10.1055/b-003-129346
Knowledge Update 2016/2	2016	514	978-3-13-220871-1 10.1055/b-003-129344
Knowledge Update 2016/1	2016	512	978-3-13-220831-5 10.1055/b-003-129343
Knowledge Update 2015/2	2016	534	978-3-13-198461-6 10.1055/b-003-125870
Knowledge Update 2015/1	2015	524	978-3-13-176361-7 10.1055/b-003-125860

Knowledge Update 2014/4	2015	518	978-3-13-176321-1 10.1055/b-003-125861
Knowledge Update 2014/3	2014	536	978-3-13-176281-8 10.1055/b-003-125830
Knowledge Update 2014/2	2014	528	978-3-13-176241-2 10.1055/b-003-125812
Knowledge Update 2014/1	2014	518	978-3-13-164181-6 10.1055/b-003-125819
Knowledge Update 2013/4	2014	500	978-3-13-172811-1 10.1055/b-003-128254

Knowledge Update Volumes	Publication Year	Number of Pages	ISBN/DOI
Knowledge Update 2013/3	2014	510	978-3-13-172781-7 10.1055/b-003-128255
Knowledge Update 2013/2	2013	530	978-3-13-172761-9 10.1055/b-003-128236
Knowledge Update 2013/1	2013	554	978-3-13-172741-1 10.1055/b-003-125699
Knowledge Update 2012/4	2013	548	978-3-13-167251-3 10.1055/b-003-125698
Knowledge Update 2012/3	2012	592	978-3-13-167231-5 10.1055/b-003-125697
Knowledge Update 2012/2	2012	562	978-3-13-167211-7 10.1055/b-003-125696
Knowledge Update 2012/1	2012	562	978-3-13-167181-3 10.1055/b-003-125695
Knowledge Update 2011/4	2012	566	978-3-13-164321-6 10.1055/b-003-125732
Knowledge Update 2011/3	2012	572	978-3-13-164301-8 10.1055/b-003-125694
Knowledge Update 2011/2	2011	558	978-3-13-164281-3 10.1055/b-003-125726
Knowledge Update 2011/1	2011	572	978-3-13-164261-5 10.1055/b-003-125693
Knowledge Update 2010/4	2011	506	978-3-13-154171-0 10.1055/b-003-125703
Knowledge Update 2010/3	2011	550	978-3-13-154161-1 10.1055/b-003-125711
Knowledge Update 2010/2	2011	546	978-3-13-154151-2 10.1055/b-003-125700
Knowledge Update 2010/1	2010	578	978-3-13-154141-3 10.1055/b-003-117812

Reference Library

Volume	Publication Year	Number of Pages	ISBN	Volume Editor(s)
Electrochemistry in Organic Synthesis	2021	568	978-3-13-244212-2 10.1055/b000000126	Ackermann
Click Chemistry	2021	744	978-3-13-243556-8 10.1055/b000000077	Rutjes
Free Radicals: Fundamentals and Applications in Organic Synthesis 1	2021	768	978-3-13-243552-0 10.1055/b000000087	Fensterbank/ Ollivier
Free Radicals: Fundamentals and Applications in Organic Synthesis 2	2020	702	978-3-13-243554-4 10.1055/b000000086	Fensterbank/ Ollivier
Dual Catalysis in Organic Synthesis 2	2019	500	978-3-13-242981-9 10.1055/b-006-166041	Molander
Dual Catalysis in Organic Synthesis 1	2019	482	978-3-13-242976-5 10.1055/b-006-164899	Molander
Advances in Organoboron Chemistry towards Organic Synthesis	2019	574	978-3-13-242971-0 10.1055/b-006-164898	Fernández
Photocatalysis in Organic Synthesis	2018	734	978-3-13-241703-8 10.1055/b-006-161273	König
Flow Chemistry in Organic Synthesis	2018	590	978-3-13-242331-2 10.1055/b-006-161272	Jamison/Koch
Catalytic Reduction in Organic Synthesis 2	2018	468	978-3-13-201231-8 10.1055/b-005-145235	de Vries
Catalytic Reduction in Organic Synthesis 1	2018	442	978-3-13-240621-6 10.1055/b-005-145236	de Vries
Catalytic Oxidation in Organic Synthesis	2018	878	978-3-13-201231-8 10.1055/b-003-129345	Muñiz
N-Heterocyclic Carbenes in Catalytic Organic Synthesis 2	2017	522	978-3-13-241400-6 10.1055/b-004-140260	Nolan/Cazin
N-Heterocyclic Carbenes in Catalytic Organic Synthesis 1	2017	548	978-3-13-201281-3 10.1055/b-004-132254	Nolan/Cazin
Metal-Catalyzed Cyclization Reactions 2	2016	766	978-3-13-199811-8 10.1055/b-004-129734	Ma/Gao
Metal-Catalyzed Cyclization Reactions 1	2016	566	978-3-13-199861-3 10.1055/b-003-129294	Ma/Gao
Applications of Domino Transformations in Organic Synthesis 2	2016	528	978-3-13-221141-4 10.1055/b-003-128260	Snyder
Applications of Domino Transformations in Organic Synthesis 1	2016	730	978-3-13-173131-9 10.1055/b-003-128286	Snyder
Catalytic Transformations via C—H Activation 2	2015	522	978-3-13-205721-0 10.1055/b-003-129675	Yu
Catalytic Transformations via C—H Activation 1	2015	520	978-3-13-171131-1 10.1055/b-003-129295	Yu

Biocatalysis in Organic Synthesis 3	2015	714	978-3-13-174661-0 10.1055/b-003-125814	Faber, Fessner, Turner
Biocatalysis in Organic Synthesis 2	2015	670	978-3-13-174161-5 10.1055/b-003-125813	Faber, Fessner, Turner

Volume	Publication Year	Number of Pages	ISBN	Volume Editor(s)
Biocatalysis in Organic Synthesis 1	2015	646	978-3-13-174131-8 10.1055/b-003-125815	Faber, Fessner, Turner
C-1 Building Blocks in Organic Synthesis 2 Alkenations, Cross Couplings, Insertions, Substitutions, and Halomethylations	2014	558	978-3-13-175121-8 10.1055/b-003-125817	van Leeuwen
C-1 Building Blocks in Organic Synthesis 1 Additions to Alkenes, Alkynes, and Carbonyl Compounds	2014	610	978-3-13-170761-1 10.1055/b-003-125818	van Leeuwen
Multicomponent Reactions 2 Reactions Involving an α,β-Unsaturated Carbonyl Compound as Electrophilic Component, Cycloadditions, and Boron-, Silicon-, Free-Radical-, and Metal-Mediated Reactions	2014	614	978-3-13-172831-9 10.1055/b-003-125831	Müller
Multicomponent Reactions 1 General Discussion and Reactions Involving a Carbonyl Compound as Electrophilic Component	2014	652	978-3-13-166881-3 10.1055/b-003-125816	Müller
Cross Coupling and Heck-Type Reactions 3: Metal-Catalyzed Heck-Type Reactions and C—C Cross Coupling via C—H Activation	2013	928	978-3-13-164241-7 10.1055/b-003-125731	Larhed
Cross Coupling and Heck-Type Reactions 2: Carbon—Heteroatom Cross Coupling and C—C Cross Coupling of Acidic C—H Nucleophiles	2013	742	978-3-13-164221-9 10.1055/b-003-125730	Wolfe
Cross Coupling and Heck-Type Reactions 1: C—C Cross Coupling Using Organometallic Partners	2013	1050	978-3-13-164201-1 10.1055/b-003-125729	Molander
Water in Organic Synthesis	2012	1010	978-3-13-164341-4 10.1055/b-003-121798	Kobayashi
Asymmetric Organocatalysis 2: Brønsted Base and Acid Catalysts, and Additional Topics	2012	1018	978-3-13-164381-0 10.1055/b-003-125728	Maruoka
Asymmetric Organocatalysis 1: Lewis Base and Acid Catalysts	2012	992	978-3-13-164361-2 10.1055/b-003-125727	List
Stereoselective Synthesis 3: Stereoselective Pericyclic Reactions, Cross Coupling, and C—H and C—X Activation	2011	1166	978-3-13-154131-4 10.1055/b-003-125710	Evans
Stereoselective Synthesis 2: Stereoselective Reactions of Carbonyl and Imino Groups	2011	1056	978-3-13-154121-5 10.1055/b-003-125712	Molander
Stereoselective Synthesis 1: Stereoselective Reactions of Carbon—Carbon Double Bonds	2011	1072	978-3-13-154111-6 10.1055/b-003-125714	de Vries
Reagents: Oxidation	2010	794	978-3-13-154181-9	
Reagents: Reduction	2011	704	978-3-13-154191-8	

Reagents: Halogenation	2013	600	978-3-13-164161-8

Category and Year	Volume Number	Category Volume Title	Number of Volumes	Number of Pages	Responsible Member of the Editorial Board	Volume Editor(s)
1	**1–8**	**Organometallics**	**8**	**9228**		
2001	**1**	Compounds with Transition Metal–Carbon π-Bonds and Compounds of Groups 10–8 (Ni, Pd, Pt, Co, Rh, Ir, Fe, Ru, Os)		1152	Trost	Lautens
2003	**2**	Compounds of Groups 7–3 (Mn ···, Cr ···, V ···, Ti ···, Sc ···, La ···, Ac ···)		1120	Noyori	Imamoto
2004	**3**	Compounds of Groups 12 and 11 (Zn, Cd, Hg, Cu, Ag, Au)		874	Ley	O'Neil
2002	**4**	Compounds of Group 15 (As, Sb, Bi) and Silicon Compounds		1106	Ley	Fleming
2003	**5**	Compounds of Group 14 (Ge, Sn, Pb)		910	Thomas	Moloney
2005	**6**	Boron Compounds		1452	Regitz/ Schaumann	Kaufmann/ Matteson
2004	**7**	Compounds of Groups 13 and 2 (Al, Ga, In, Tl, Be ··· Ba)		838	Noyori	H. Yamamoto
2006	**8a**	Compounds of Group 1 (Li ··· Cs)		986	Trost	Snieckus/ Majewski
2006	**8b**	Compounds of Group 1 (Li ··· Cs)		790	Trost	Snieckus/ Majewski
2	**9–17**	**Hetarenes and Related Ring Systems**	**9**	**10414**		
2001	**9**	Fully Unsaturated Small-Ring Heterocycles and Monocyclic Five-Membered Hetarenes with One Heteroatom		696	Regitz	Maas
2001	**10**	Fused Five-Membered Hetarenes with One Heteroatom		958	Thomas	Thomas
2002	**11**	Five-Membered Hetarenes with One Chalcogen and One Additional Heteroatom		1212	Schaumann	Schaumann
2002	**12**	Five-Membered Hetarenes with Two Nitrogen or Phosphorus Atoms		832	Bellus	Neier
2004	**13**	Five-Membered Hetarenes with Three or More Heteroatoms		1068	Shinkai	Storr/Gilchrist
2003	**14**	Six-Membered Hetarenes with One Chalcogen		1062	Thomas	Thomas
2005	**15**	Six-Membered Hetarenes with One Nitrogen or Phosphorus Atom		1384	Regitz	Black
2004	**16**	Six-Membered Hetarenes with Two Identical Heteroatoms		1632	Shinkai	Y. Yamamoto
2004	**17**	Six-Membered Hetarenes with Two Unlike or More than Two Heteroatoms and Fully Unsaturated Larger-Ring Heterocycles		1570	Schaumann	Weinreb

Category and Year	Volume Number	Category Volume Title	Number of Volumes	Number of Pages	Responsible Member of the Editorial Board	Volume Editor(s)
3	**18–24**	**Compounds with Four and Three Carbon—Heteroatom Bonds**	**7**	**8414**		
2005	**18**	Four Carbon—Heteroatom Bonds: X–C≡X, X=C=X, X_2C=X, CX_4		1460	Ley	Knight
2004	**19**	Three Carbon—Heteroatom Bonds: Nitriles, Isocyanides, and Derivatives		614	Shinkai	Murahashi
2006	**20a**	Three Carbon—Heteroatom Bonds: Acid Halides; Carboxylic Acids and Acid Salts		740	Jacobsen	Panek
2007	**20b**	Three Carbon—Heteroatom Bonds: Esters, and Lactones; Peroxy Acids and R(CO)OX Compounds; R(CO)X, X = S, Se, Te		1202	Jacobsen	Panek
2005	**21**	Three Carbon—Heteroatom Bonds: Amides and Derivatives; Peptides; Lactams		1074	Shinkai	Weinreb
2005	**22**	Three Carbon—Heteroatom Bonds: Thio-, Seleno-, and Tellurocarboxylic Acids and Derivatives; Imidic Acids and Derivatives; Ortho Acid Derivatives		988	Thomas	Charette
2006	**23**	Three Carbon—Heteroatom Bonds: Ketenes and Derivatives		1088	Bellus	Danheiser
2006	**24**	Three Carbon—Heteroatom Bonds: Ketene Acetals and Yne—X Compounds		1248	Schaumann	de Meijere
4	**25–33**	**Compounds with Two Carbon—Heteroatom Bonds**	**9**	**11184**		
2007	**25**	Aldehydes		934	Schaumann	Brückner
2005	**26**	Ketones		1466	Thomas	Cossy
2004	**27**	Heteroatom Analogues of Aldehydes and Ketones		1234	Bellus	Padwa
2006	**28**	Quinones and Heteroatom Analogues		1046	Bellus	Griesbeck
2007	**29**	Acetals: Hal/X and O/O, S, Se, Te		1326	Ley	Warriner
2007	**30**	Acetals: O/N, S/S, S/N, and N/N and Higher Heteroatom Analogues		824	Noyori	Otera
2007	**31a**	Arene—X (X = Hal, O, S, Se, Te)		1362	Bellus	Ramsden
2007	**31b**	Arene—X (X = N, P)		1136	Bellus	Ramsden
2008	**32**	X—Ene—X (X = F, Cl, Br, I, O, S, Se, Te, N, P), Ene—Hal, and Ene—O Compounds		948	Schaumann	Mulzer
2007	**33**	Ene—X Compounds (X = S, Se, Te, N, P)		908	Trost	Molander

Category and Year	Volume Number	Category Volume Title	Number of Volumes	Number of Pages	Responsible Member of the Editorial Board	Volume Editor(s)
5	**34–42**	**Compounds with One Saturated Carbon—Heteroatom Bond**	**9**	**8798**		
2006	**34**	Fluorine		424	Ley	Percy
2007	**35**	Chlorine, Bromine, and Iodine		850	Schaumann	Schaumann
2008	**36**	Alcohols		1294	Thomas	Clayden
2008	**37**	Ethers		992	Jacobsen	Forsyth
2009	**38**	Peroxides		582	Shinkai	Berkessel
2007	**39**	Sulfur, Selenium, and Tellurium		1384	Noyori	Kambe
2009	**40a**	Amines and Ammonium Salts		844	Schaumann	Enders/ Schaumann
2009	**40b**	Amine *N*-Oxides, Haloamines, Hydroxylamines and Sulfur Analogues, and Hydrazines		532	Schaumann	Enders/ Schaumann
2010	**41**	Nitro, Nitroso, Azo, Azoxy, and Diazonium Compounds, Azides, Triazenes, and Tetrazenes		770	Shinkai	Banert
2009	**42**	Organophosphorus Compounds (incl. RO—P and RN—P)		1126	Trost	Mathey
6	**43–48**	**Compounds with All-Carbon Functions**	**6**	**5667**		
2008	**43**	Polyynes, Arynes, Enynes, and Alkynes		744	Thomas	Hopf
2008	**44**	Cumulenes and Allenes		508	Bellus	Krause
2009	**45a**	Monocyclic Arenes, Quasiarenes, and Annulenes		545	Shinkai	Siegel/Tobe
2010	**45b**	Aromatic Ring Assemblies, Polycyclic Aromatic Hydrocarbons, and Conjugated Polyenes		994	Shinkai	Siegel/Tobe
2009	**46**	1,3-Dienes		744	Trost	Rawal/ Kozmin
2010	**47a**	Alkenes		632	Jacobsen	de Meijere
2010	**47b**	Alkenes		670	Jacobsen	de Meijere
2009	**48**	Alkanes		830	Schaumann	Hiemstra