

Erratum

“Kosuke Izutsu, *Electrochemistry in Nonaqueous Solutions*, 2nd edition, Wiley-VCH, 2009”

Chapter 1

Page 16	Table 1.5	“(23) Butyronitrile” should be “(22) Butyronitrile”
page 17	Caption of Figure 1.2	“Scheraga” should be “Scherraga”
page 19	line 20	“in Table 1.1;” should be “in Table 1.1,”
page 21	Table 1.6	“ ϵ_r, μ ” should be “ ϵ_r, μ^a ”
page 21	Table 1.6	“En (13)” should be “en (13)”
page 25	ref. 14	“Vychere” should be “Wychede”
page 25	ref. 18	“Yang, H. and Tämm, K.” should be “Yang, H. Tämm, K., Tämm, T. and Karelson, M.”

Chapter 2

page 29	line 11	“Thus, ΔG_{sv}° , which” should be “Thus, ΔG_s° , which”
page 29	line 13	“influence on ΔG_{sv}° ” should be “influence on ΔG_s° ”
page 48	line 14	“ K_S and K_R ” should be “ K_R and K_S ”
page 48	line 16	“ $\log K_S - \log K_R = \log \gamma_t(\text{ML}^{n+}, \text{R} \rightarrow \text{S}) - \log \gamma_t(\text{M}^{n+}, \text{R} \rightarrow \text{S}) - \log \gamma_t(\text{L}, \text{R} \rightarrow \text{S})$ ” should be “ $\log K_S - \log K_R = -\log \gamma_t(\text{ML}^{n+}, \text{R} \rightarrow \text{S}) + \log \gamma_t(\text{M}^{n+}, \text{R} \rightarrow \text{S}) + \log \gamma_t(\text{L}, \text{R} \rightarrow \text{S})$ ”
page 59	ref. 10	“ <i>Solutions and Dissolution</i> ” should be “ <i>Solution and Dissolution</i> ”
page 59	ref. 15	“Kirkwood, G.” should be “Kirkwood, J. G.”
page 59	ref. 19(a)	“Seser, R.” should be “Deser, R.”
page 60	ref. 21(a)	“Ref. [1c]” should be “Ref. [4]”
page 60	ref. 24(a)	“105, 3504” should be “106, 3504”

Chapter 3

page 70	Table 3.4, row of Solvents	“MN” should be “NM”
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Chapter 4

page 98	line 28	“footnote 7” should be “footnote 8”
page 99	line 9	Two “ $\text{ML}_p^{(n-pb)+}$ ” should be “ $\text{ML}_p^{(n+pb)+}$ ”
page 99	line 12, left side of eq. (4.7)	“ $E^0(\text{R}) - E^0(\text{S})$ ” should be “ $E^0(\text{S}) - E^0(\text{R})$ ”
page 110	ref. 9(b)	“Gritner” should be “Gritzner”
page 110	ref. 10	“Paolini, I.” should be “Paolini, L.”
page 110	ref. 12	“Senne, I.K.” should be “Senne, J.K.”

Chapter 5

page 149	line 2 from the bottom	" E_{eq} is the equilibrium potential at the initial concentration of M^{n+} ." should be inserted before the line.
page 167	ref. 1(d)	"Kavan, K." should be "Kavan, L."
page 167	ref. 1(g)	"Sobkowiak, A.J." should be "Sobkowiak, A."
page 167	ref. 1(i)	"Heinemann" should be "Heineman"
page 168	ref. 10(d)	"Amoatore" should be "Amatore"
page 169	ref. 14(b)	"(1988)" should be "(1989)"
page 169	ref. 17(a)	"Minomura" should be "Minemura"
page 169	ref. 17(b)	"Nagamine" should be "Nagamune"
page 169	ref. 19(e)	"Heineman, W.H." should be "Heineman, W.R." "(1988)" should be "(1984)"
page 169	ref. 26(c)	"Sensitivity" should be "Selectivity"

Chapter 6

page 174	line 12	"as shown in Table 4.3" should be changed to "as discussed on page 99"
page 176	Table 6.4, column of Solvents	"Isobutylnitrile" should be "Isobutyronitrile"
page 178	caption of Figure 6.2	"Ag/Ag ⁺ reference electrode;" should be "Ag/Ag ⁺ reference electrode."
page 181	line 18	"(ii) 0.1 mol kg ⁻¹ " should be "(ii) 0.05 mol kg ⁻¹ "
page 181	line 20	"+ 0.25 mol kg ⁻¹ " should be "+ 0.025 mol kg ⁻¹ "
page 183	line 10	" γ_{H} is the activity" should be " γ_{H} is the activity coefficient"
page 194	line 7 from bottom	"Kratochivil" should be "Kratochvil".
page 195	line 1 from bottom	" $1 + 4.86 \times 10^{-9}$ " should be " $1 + 4.86 \times 10^9$ "
page 196	line 1 and line 3	" $1 + 4.86 \times 10^{-9}$ " should be " $1 + 4.86 \times 10^9$ "
page 206	ref. 3	"Klatsmani" should be "Klatsmanyi"
page 207	ref. 20(b)	"(1995)" should be "(1996)"
page 207	ref. 27(c)	"Rosas" should be "Garcia-Rosas"
page 207	ref. 32	"Kratochivil" should be "Kratochvil"

Chapter 7

page 209	line 6 from bottom	" $A/(\text{mol}^{-1/2} \text{dm}^{-3/2})$ " should be " $A/(\text{mol}^{-1/2} \text{dm}^{3/2})$ "
page 230	ref. 2	"Matesich, S.M." should be "Matesich, M."
page 231	ref. 10	"277A" should be "217A"
page 231	ref. 12	"Hsia, L.L." should be "Hsia, K.L."
page 231	ref. 14	"Shedrovsky" should be "Shedlovsky"
page 231	ref. 21	"Amis, E.A." should be "Amis, E.S."
page 231	ref. 30(f)	"98, 3989" should be "109, 3989"
page 231	ref. 33	"71, 3935" should be "71, 3925"

Chapter 8

page 252	Table 8.4, title	“[42c]” should be “[42b]”
page 265	footnote 11	“(ln $K + \ln [M^+]$)” should be “(ln $K_A + \ln [M^+]$)”
page 279	in Figure 8.25	“Molecule-like Eney Gap” should be “Molecule-like Energy Gap”
page 281	ref. 10	“Heinemann” should be “Heineman” “(1997)” should be “(1996)”
page 281	ref. 12	“Encyclopedia in Electrochemistry” should be “Encyclopedia of Electrochemistry”
page 282	ref. 29(b)	“267” should be “2675”
page 282	ref. 35(b)	“36, 71” should be “36, 1767”
page 283	ref. 42(a)	“Popov, A.P.” should be “Popov, A.I.”
page 283	ref. 47	“Johnson, L.” should be “Johnson, E.L.”
page 284	ref. 66(a) & (b)	“91” should be “113”
page 284	ref. 66(d)	“Perex-Cordero” should be “Pedez-Cordero”; “3798” should be “3978”
page 284	ref. 78(e)	“Brits” should be “Britz”
page 285	ref. 79(c)	“Chapter 5” should be “Chapter 4”
page 285	ref. 81(b)	“Jernigan” should be “Jamigan”
page 285	ref. 90	“Chem. Res.” should be “Chem. Rev.”

Chapter 9

page 305	ref. 3(g)	“Encyclopedia in Electrochemistry” should be “Encyclopedia of Electrochemistry”
page 306	ref. 24(b)	“J. Am. Mass. Spectrom.” s should be “J. Am. Soc. Mass. Spectrom.”
page 306	ref. 29(d)	“Encyclopedia in Electrochemistry” should be “Encyclopedia of Electrochemistry”

Chapter 10

page 316	line 3	“Ref. [5e]” should be “Ref. [5c]”
page 316	line 10 from bottom	“Ref. [5f]” should be “Ref. [5d]”

Chapter 11

page 324	line 3	“resistivities” should be “conductivities”
page 324	line 6 from bottom	“Me ₄ N ⁺ ,” should be “Me ₄ N ⁺ ,”
page 331	ref. 17	“Heinemann” should be “Heineman”. “Chapter 14” should be “Chapter 15”
page 331	ref. 18(a)	“67, 201, 235” should be “67, 201; 73, 235”

Chapter 12

page 352	ref. 8	“ <i>Superconductors</i> ” should be “ <i>Supercapacitors</i> ”
page 353	ref. 11	“34” should be “17, 34”
page 353	ref. 16(a)	“Zhang” should be “Zheng”
page 354	ref. 37	“New York.” Should be “New York, p. 205.”.
page 354	ref. 38(a)	“Chia-Hao L.” should be “Lee, C.H.”

Chapter 13

page 367	Table 13.3, footnote	“From Ref. [25b]” should be “From Ref. [31]”
page 369	Table 13.4, footnote	“Ref. [32]” should be “Ref. [33]” “Ref. [27]” should be “Ref. [28]”
page 381	ref. 1(c)	“Kenton” should be “Kerton”
page 381	ref. 4(a)	“Kiran, E. and Debenedetti, P.G.” should be “Kiran, E., Debenedetti, P.G. and Peters, C.J.”
page 382	ref. 17(a)	“Badiani” should be “Badlani”
page 382	ref. 27(a)	“Compton, R.C.” should be “Compton, R.G.”
page 382	ref. 33(a)	“Stater” should be “Salter”
page 383	ref. 43	“Roger” should be “Rogers”
page 383	ref. 49	“Hardacre, C.H.” should be “Hardacre, C.”

Chapter 14

page 399	ref. 2(c)	“ <i>Prog. Sur. Sci.</i> ” should be “ <i>Prog. Surf. Sci.</i> ”
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Index (Corrections to improve the index are also included.)

page 401 left	line 5 from bottom	“dicarboxylic, solvent effect on ($pK_{a2}-pK_{a1}$)” should be “-dicarboxylic, solvent effect on ($pK_{a2}-pK_{a1}$)”
page 401 right	line 19	“-1,2-ethanediol (ethylene glycol) 216” should be “-1,2-ethanediol (ethylene glycol) 316”
page 402 left	lines 1,2	“-N,N-dimethylacetamide (DMA) 5, 34, 45, 94f.” should be deleted.
page 402 left	lines 3,4	“-N,N-dimethylformamide (DMF) 5, 10, 14, 18f. 34, 37, 45, 49, 70ff.” should be deleted.
page 402 left	line 28	“association constant 58, 210, 216” should be “association constant, ion 53ff., 210, 216”
page 402 left	line 4 from bottom	“-amperometric glucose” should be “amperometric, glucose”
page 402 right	line 12 from bottom	“-density, surface 55” should be “-density, surface 38”
page 403 left	line 28	“-constants 194, 196, 226” should be “-constants 192ff., 196, 226”
page 403 left	line 32	“-cryptanol” should be “-cryptand”
page 403 right	line 23	“-flow 151” should be “-flow 151, 289, 392f.”
page 403 right	line 10 from bottom	“(–)-voltammogram (LS and CV)” should be “-voltammogram (LS and CV)” Delete space (–)
page 404 left	lines 11,12	“Debye-Hückel-Onsager limiting law 159, 209f., 212” should be “Debye-Hückel-Onsager limiting law 159, 209f., 212, 216”
page 404 left	line 1 from bottom	“-acid 64, 66f., 69f., 79, 85, 228, 228”. Omit one of two “228”
page 404 left	lines 3 to 1 from bottom	“dissociation constant 46, 79, 188, 228, 252, 364” and “-acid 64, 66F., 69f., 79, 85, 228 ” should be moved to between line 7 and 8 of page 404 right
page 404 right	between line 24 and 23 from bottom	“dropping electrolyte electrode 386f., 390” should be inserted
page 405 left	line 2	“-ionic liquids (Ils)” should be “-ionic liquids (ILs)”
page 405 left	line 3 from bottom	“-Ag ⁺ /Ag, reference 94, 99, 157, 172, 176ff.” should be “-Ag ⁺ /Ag, reference 94, 99, 153, 172, 176ff., 374

page 405 left	line 2 from bottom	“–AgCl/Ag, reference 123, 173ff.” should be “–AgCl/Ag, reference 123, 153f., 173ff.”
page 405 left	line 1 from bottom	“–AgCryp ⁺ /Ag ⁺ ” should be “–AgCryp ⁺ /Ag”
page 405 right	between line 7 and 8	“diamond, boron-doped 134, 234” should be Inserted
page 405 right	line 13, 14	“–glass, pH-sensitive 68, 77, 81, 154f., 158, 172, 198f., 228” should be “–glass, pH-sensitive 68, 77, 81, 154f., 158, 172, 183ff., 198f., 228”
page 405 right	line 18 from bottom	“–Pt/I ₃ ⁻ ” should be “–Pt/I ₃ ⁻ , I ⁻ ”.
page 406 right	lines 26, 27	“–ultrafast dynamic solvents effect on reaction rates 10ff., 200, 248, 263” should be “–ultrafast dynamic solvent effect on on reaction rates 10ff., 219f., 248, 263”
page 406 right	line 5 from bottom	“– of transfer of ions 42f., 241” should be “– of transfer of ions 42f.”
page 407 left	line 13	“– 1,4-dioxane 4” should be “– 1,4-dioxane 4, 316”
page 407 left	line 23	“exfolation process” should be “exfoliation process”
page 407 left	lines 11, 10 from bottom	“fluorination of organic compound, anionic 272, 377f.” should be “fluorination of organic compound, anodic 273, 377f.”
page 408 left	line 27	“hydrogen bond acceptor (HBA) 9, 14, 77f.” should be moved to between line 31 and 32
page 408 right	line 19	“– water–organic solution 51, 385” should be “– water–organic solvent 51, 385”
page 408 right	line 28	“– water/organic solution” should be “– water/organic solvent”
page 408 right	line 15 from bottom	Delete “– contact (CIP) 57f.”
Page 408 right	line 11 from bottom	Delete “– formation 64, 213f., 296”
page 408 right	line 3 from bottom	Delete “– quadrupoles 58, 213”
page 409 left	line 1	“–solvation 188, 196f., 369” should be “–solvation 27, 29ff., 39f., 44, 52, 93, 188, 196f., 369”
page 409 left	line 4	Delete “– solvent-separated 57f.”
page 409 left	line 5	Delete “– solvent-shared (SSIP) 57f.”
page 409 left	between line 11 and 12, i.e., below “ion pairs 54ff.”	Insert the following five items : “– contact (CIP) 57f.” “– formation 64, 213f., 296” “– quadrupoles 58, 213” “–solvent-separated 57f.” “– solvent-shared (SSIP) 57f.”
page 409 left	line 28	“– aprotic 368”: move to the above of line 31 “– cation of”
page 409 left	line 29	“– CF ₃ SO ₃ ⁻ (TFO ⁻) 365” should be “(–)– CF ₃ SO ₃ ⁻ (TfO ⁻) 365”
page 409 left	line 30	“(–)–N(CF ₃ SO ₂) ₂ ⁻ (NTF ₂ ⁻)” should be “(–)–N(CF ₃ SO ₂) ₂ ⁻ (NTf ⁻)”
page 409 right	line 8	“IR (infrared spectroscopy)” should be “IR (infrared) spectroscopy”
page 409 right	line 11 from bottom	“– acetones (Ac)” should be “– acetone (Ac)”
page 410 left	line 16 from bottom	“– coefficient 302” should be “– coefficient 148, 302”
page 410 left	line 14 from bottom	“– rate of 9” should be “–rate of 9, 118”
page 410 right	lines 14, 15	MSA (mean spherical approximation) model 31, 57” should be “MSA (mean spherical approximation)

		model 31, 57, 215”
page 411 left	line 7 from bottom	S1“(–)–N(CF ₃ SO ₂) ₂ [–] (NTF ₂ [–])” should be“(–)–N(CF ₃ SO ₂) ₂ [–] (NTf [–])”
page 411 right	line 7	“– oxidationwave” should be “– oxidation wave”.
page 411 right	line 8	“– reductionwave” should be “– reduction wave”
page 411 right	lines 22 and 21 from bottom	“–poly(vinylidene fluoride- <i>co</i> -hexafluoroplane(PVdF-HEP) 333” should be “– poly(vinylidene fluoride- <i>co</i> -hexafluoropropylene (PVdF-HFP) 336”
page 412 left	line 19	“– potentiometric” should be “– potentiometric titration”
page 412 left	line 17 from bottom	“– distillation” should be “– distillation.”
page 412 right	line 14 from bottom	“– multistep-electron” should be “– multistep one-electron”
page 412 right	line 8 from bottom	“– total irreversible one-electron” should be “– totally irreversible one-electron”
page 412 right	line 6 from bottom	“reference redox system (IuPAC)” should be “reference redox system (IUPAC)”
page 413 left	line 13	“– Debye” should be “– Debye”
page 413 left	line 21 from bottom	“– carbon oxide” should be “– carbon dioxide”
page 413 left	line 12 from bottom	“– product constand 28, 44ff.” should be “– product constand 28, 44, 226”
page 413 right	line 7 from bottom	“– arcinogenic 19” should be “– carcinogenic 19” and should be moved to between line 6 and 5 from bottom.
page 414 left	line 14 from bottom	“(–)– M-scale” should be “(–)– μ-scale”
page 414 left	line 10 from bottom	Delete “– structure”
page 414right	line 9 from bottom	“tensametry” should be “tensammetry”
page 415 left	line 29	“(–)– coumann 343, 39” should be “(–)– coumarin 343 39”
page 415 left	line 5 from bottom	“viscosity 4f., 9, 18, 138, 217, 238” should be “viscosity 4f., 9, 18, 138, 217, 238, 366”. Add “366”
page 415 right	line 8	“– cyclic staircase 374” should be moved to between line 11 and 12
page 415 right	line 12	“– differential pulse (DVP)” should be “– differential pulse (DPV)”
page 415 right	line 24	“– metallocenes 247ff., 312f.” should be “– metallocenes 247ff., 372f.”
page 415 right	line 25	“– metalloporphyrins 247ff.” should be “– metalloporphyrins 249f.”
page 415 right	line 1 from bottom	“Zwanzig theory” should be “Zwanzig’s continuum theory”