

Electronic Supplementary Information for “Supercritical Water: A Fascinating Medium for Soft Matter” by Shigeru Deguchi and Kaoru Tsujii

Table 1. List of solvent properties used to make Fig. 2.

Solvent	Dipole moment / D	Dielectric constant
Isopentane	0.13	1.845
Toluene	0.375	2.379
Chloroform	1.04	4.8069
Diethyl ether	1.15	4.2666
Formic acid	1.41	51.1
Dichloromethane	1.6	8.93
Ethanol	1.69	25.3
Methanol	1.7	33
THF	1.75	7.52
Ethylacetate	1.78	6.0814
Water	1.854	80.1
Chloromethane	1.892	10
Trifluoroacetic acid	2.28	8.42
Acetaldehyde	2.75	21
Acetone	2.88	21.01
Cyclopentanone	3.3	13.58
Nitromethane	3.46	37.27
Acetonitrile	3.924	36.64
DMSO	3.96	47.24
Benzonitrile	4.18	25.9
Nitrobenzene	4.22	35.6

All the data were taken from D. R. Lide, ed., *CRC Handbook of Chemistry and Physics*, 76th edn., CRC Press, Boca Raton, 1994.