

Paul Tofts – 10 most cited Publications

Full list at : http://www.paul-tofts-phd.org.uk/CV/full_list.pdf

Many of the publications can be downloaded as pdf files

B118. [4020 citations]

Estimating kinetic parameters from dynamic contrast-enhanced T₁-weighted MRI of a diffusable tracer: standardized quantities and symbols.

PS Tofts, G Brix, DL Buckley, JL Evelhoch, E Henderson, M Knopp, HBW Larsson, T-Y Lee, NA Mayr, GJM Parker, RE Port, J Taylor, RM Weisskoff. Journal of Magnetic Resonance Imaging 1999;10:223-232. Review. [pdf](#)

B103. [1971 citations]

Modeling tracer kinetics in dynamic Gd-DTPA MR imaging

PS Tofts. J Magnetic Resonance Imaging 7:91-101 (1997). Download [pdf](#)

B48. [1945 citations]

Measurement of the Blood-Brain Barrier permeability and leakage space using dynamic MR imaging - 1 Fundamental concepts.

PS Tofts and AG Kermode. Magnetic Resonance in Medicine 17:357-367 (1991). Download [pdf](#)

B204. Imaging biomarker roadmap for cancer studies.

B204. [1216 citations]

O'Connor JP, Aboagye EO, Adams JE, **Tofts PS**, ... Jackson A, Waterton JC. Nat Rev Clin Oncol. 2017;14:169-186. doi: 10.1038/nrclinonc.2016.162.

A11b. [830 citations]

Quantitative MRI of the brain: measuring changes caused by disease. (book) **Tofts PS** (editor and part author) John Wiley and Sons 2005

B99. [829 citations]

Spinal cord atrophy and disability in multiple sclerosis: a new reproducible and sensitive MRI method with potential to monitor disease progression.

Losseff NA, Webb SL, O'Riordan JI, Page R, Wang L, Barker GJ, **Tofts PS**, McDonald WI, Miller DH, Thompson AJ. Brain 119:701-708 (1996). Download [pdf](#)

B42. [749 citations]

Breakdown of the blood-brain barrier precedes symptoms and other MRI signs of new lesions in multiple sclerosis: pathogenetic and clinical implications.

AG Kermode, AJ Thompson, **PS Tofts**, DG MacManus, BE Kendall, DPE Kingsley, IF Moseley, P Rudge, WI McDonald. Brain 113:1477-1489 (1990). Download [pdf](#)

B77. [671 citations]

Serial proton magnetic resonance spectroscopy in acute multiple sclerosis lesions.

CA Davie, CP Hawkins, GJ Barker, A Brennan, **PS Tofts**, DH Miller, WI McDonald. Brain 117:49-58 (1994).

B158. [625 citations]

The assessment of antiangiogenic and antivascular therapies in early-stage clinical trials using magnetic resonance imaging: issues and recommendations.

Leach MO, Brindle KM, Evelhoch JL, Griffiths JR, Horsman MR, Jackson A, Jayson GC, Judson IR, Knopp MV, Maxwell RJ, McIntyre D, Padhani AR, Price P, Rathbone R, Rustin GJ, **Tofts PS**, Tozer GM, Vennart W, Waterton JC, Williams SR, Workman P; Pharmacodynamic/Pharmacokinetic Technologies Advisory Committee, Drug Development Office, Cancer Research UK. *Br J Cancer* 2005; 92:1599-610. Download [pdf](#).

B27. [605 citations]

The role of NMR imaging in the assessment of multiple sclerosis and 'isolated' neurological lesions: a quantitative study.

IEC Ormerod, DH Miller, WI McDonald, EPGH du Boulay, P Rudge, BE Kendell, IF Moseley, G Johnson, AM Halliday, F Scarivilli, **PS Tofts**, KJ Zilka. *Brain* 110:1579-1616 (1987) [pdf](#)

(updated September 1st 2025)