

RESEARCH

Dec 16, 2016

PMB: the top ten of 2016

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Applications and limitations of radiomics (<http://iopscience.iop.org/article/10.1088/0031-9155/61/13/R150>)

Stephen S F Yip and Hugo J W L Aerts

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Dosimetry of ionising radiation in modern radiation oncology
(<http://iopscience.iop.org/article/10.1088/0031-9155/61/14/R167>)

Tomas Kron, Joerg Lehmann and Peter B Greer

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IPEM topical report 1: guidance on implementing flattening filter free (FFF) radiotherapy
(<http://iopscience.iop.org/article/10.1088/0031-9155/61/23/8360>)

Geoff Budgell, Kirstie Brown, Jason Cashmore, Simon Duane, John Frame, Mark Hardy, David Paynter and Russell Thomas

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Designing a compact high performance brain PET scanner - simulation study
(<http://iopscience.iop.org/article/10.1088/0031-9155/61/10/3681>)

Kuang Gong, Stan Majewski, Paul E Kinahan, Robert L Harrison, Brian F Elston, Ravindra Manjeshwar, Sergei Dolinsky, Alexander V Stolin, Julie A Brefczynski-Lewis and Jinyi Qi

2370 downloads

Review of ultrasound image guidance in external beam radiotherapy part II: intra-fraction motion management and novel applications (<http://iopscience.iop.org/article/10.1088/0031-9155/61/8/R90>)

Tuathan O'Shea, Jeffrey Bamber, Davide Fontanarosa, Skadi van der Meer, Frank Verhaegen and Emma Harris

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Motion correction in MRI of the brain (<http://iopscience.iop.org/article/10.1088/0031-9155/61/5/R32>)

F Godenschweger, U Kägebein, D Stucht, U Yarach, A Sciarra, R Yakupov, F Lüsebrink, P Schulze

and O Speck

2235 downloads

Positron range in tissue-equivalent materials: experimental microPET studies

(<http://iopscience.iop.org/article/10.1088/0031-9155/61/17/6307>)

H Alva-Sánchez, C Quintana-Bautista, A Martínez-Dávalos, M A Ávila-Rodríguez and M Rodríguez-Villafuerte

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Whole-body direct 4D parametric PET imaging employing nested generalized Patlak expectation-maximization reconstruction (<http://iopscience.iop.org/article/10.1088/0031-9155/61/15/5456>)

Nicolas A Karakatsanis, Michael E Casey, Martin A Lodge, Arman Rahmim and Habib Zaidi

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On the Monte Carlo simulation of small-field micro-diamond detectors for megavoltage photon dosimetry (<http://iopscience.iop.org/article/10.1088/0031-9155/61/1/L1>)

Pedro Andreo, Hugo Palmans, Maria Marteinsdóttir, Hamza Benmakhlof and Åsa Carlsson-Tedgren

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A review of biomechanically informed breast image registration

(<http://iopscience.iop.org/article/10.1088/0031-9155/61/2/R1>)

John H Hipwell, Vasileios Vavourakis, Lianghao Han, Thomy Mertzaniidou, Björn Eiben and David J Hawkes

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- PMB: the top ten of 2013 (<http://medicalphysicsweb.org/cws/article/research/55706>)
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