

# Boccardi Marina

## List of Publications by Year in descending order

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Version: 2024-02-01

107  
papers

5,881  
citations

87723

38  
h-index

82410

72  
g-index

114  
all docs

114  
docs citations

114  
times ranked

8190  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Association of brain amyloidosis with pro-inflammatory gut bacterial taxa and peripheral inflammation markers in cognitively impaired elderly. <i>Neurobiology of Aging</i> , 2017, 49, 60-68.  | 1.5 | 870       |
| 2  | Strategic roadmap for an early diagnosis of Alzheimer's disease based on biomarkers. <i>Lancet Neurology</i> , The, 2017, 16, 661-676.  | 4.9 | 464       |
| 3  | Quantitative comparison of 21 protocols for labeling hippocampal subfields and parahippocampal subregions in in vivo MRI: Towards a harmonized segmentation protocol. <i>NeuroImage</i> , 2015, 111, 526-541.   | 2.1 | 284       |
| 4  | The EADC-ADNI Harmonized Protocol for manual hippocampal segmentation on magnetic resonance: Evidence of validity. <i>Alzheimer's and Dementia</i> , 2015, 11, 111-125.   | 0.4 | 162       |
| 5  | European Association of Nuclear Medicine and European Academy of Neurology recommendations for the use of brain <sup>18</sup> F-fluorodeoxyglucose positron emission tomography in neurodegenerative cognitive impairment and dementia: Delphi consensus. <i>European Journal of Neurology</i> , 2018, 25, 1201-1217. | 1.7 | 153       |
| 6  | A harmonized segmentation protocol for hippocampal and parahippocampal subregions: Why do we need one and what are the key goals?. <i>Hippocampus</i> , 2017, 27, 3-11.   | 0.9 | 130       |
| 7  | Frontotemporal dementia as a neural system disease. <i>Neurobiology of Aging</i> , 2005, 26, 37-44.   | 1.5 | 126       |
| 8  | Survey of Protocols for the Manual Segmentation of the Hippocampus: Preparatory Steps Towards a Joint EADC-ADNI Harmonized Protocol. <i>Journal of Alzheimer's Disease</i> , 2011, 26, 61-75.   | 1.2 | 125       |
| 9  | Delphi definition of the EADC-ADNI Harmonized Protocol for hippocampal segmentation on magnetic resonance. <i>Alzheimer's and Dementia</i> , 2015, 11, 126-138.   | 0.4 | 123       |
| 10 | Cortex and amygdala morphology in psychopathy. <i>Psychiatry Research - Neuroimaging</i> , 2011, 193, 85-92.  | 0.9 | 118       |
| 11 | The MRI pattern of frontal and temporal brain atrophy in fronto-temporal dementia. <i>Neurobiology of Aging</i> , 2003, 24, 95-103.   | 1.5 | 107       |
| 12 | Training labels for hippocampal segmentation based on the EADC-ADNI harmonized hippocampal protocol. <i>Alzheimer's and Dementia</i> , 2015, 11, 175-183.   | 0.4 | 105       |
| 13 | Clinical validity of cerebrospinal fluid A $\beta$ 242, tau, and phospho-tau as biomarkers for Alzheimer's disease in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 196-213.  | 1.5 | 100       |
| 14 | Occipital sources of resting-state alpha rhythms are related to local gray matter density in subjects with amnesic mild cognitive impairment and Alzheimer's disease. <i>Neurobiology of Aging</i> , 2015, 36, 556-570.   | 1.5 | 93        |
| 15 | Clinical utility of FDG PET in Parkinson's disease and atypical parkinsonism associated with dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1534-1545.   | 3.3 | 86        |
| 16 | Alexithymia in healthy women: A brain morphology study. <i>Journal of Affective Disorders</i> , 2009, 114, 208-215.   | 2.0 | 85        |
| 17 | Clinical validity of brain fluorodeoxyglucose positron emission tomography as a biomarker for Alzheimer's disease in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 183-195.   | 1.5 | 85        |
| 18 | Assessment of the Incremental Diagnostic Value of Florbetapir F 18 Imaging in Patients With Cognitive Impairment. <i>JAMA Neurology</i> , 2016, 73, 1417.   | 4.5 | 84        |

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|----|---|-----|-----------|
| 19 | The validation status of blood biomarkers of amyloid and phospho-tau assessed with the 5-phase development framework for AD biomarkers. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2140-2156.          | 3.3 | 83        |
| 20 | Effects of hormone therapy on brain morphology of healthy postmenopausal women. <i>Menopause</i> , 2006, 13, 584-591.   | 0.8 | 81        |
| 21 | Clinical utility of FDG-PET for the differential diagnosis among the main forms of dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1509-1525.   | 3.3 | 81        |
| 22 | Coalition Against Major Diseases/European Medicines Agency biomarker qualification of hippocampal volume for enrichment of clinical trials in predementia stages of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2014, 10, 421. | 0.4 | 77        |
| 23 | Integrating longitudinal information in hippocampal volume measurements for the early detection of Alzheimer's disease. <i>NeuroImage</i> , 2016, 125, 834-847.   | 2.1 | 76        |
| 24 | Local amygdala structural differences with 3T MRI in patients with Alzheimer disease. <i>Neurology</i> , 2011, 76, 727-733.   | 1.5 | 72        |
| 25 | Clinical validity of increased cortical uptake of amyloid ligands on PET as a biomarker for Alzheimer's disease in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 214-227.           | 1.5 | 67        |
| 26 | White matter lesions along the cholinergic tracts are related to cortical sources of EEG rhythms in amnesic mild cognitive impairment. <i>Human Brain Mapping</i> , 2009, 30, 1431-1443.  | 1.9 | 64        |
| 27 | Abnormal hippocampal shape in offenders with psychopathy. <i>Human Brain Mapping</i> , 2010, 31, 438-447.   | 1.9 | 63        |
| 28 | Relationship between hippocampal atrophy and neuropathology markers: A 7T MRI validation study of the EADC&ADNI Harmonized Hippocampal Segmentation Protocol. <i>Alzheimer's and Dementia</i> , 2015, 11, 139-150.                        | 0.4 | 61        |
| 29 | Clinical utility of FDG-PET for the clinical diagnosis in MCI. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1497-1508.   | 3.3 | 61        |
| 30 | Clinical validity of medial temporal atrophy as a biomarker for Alzheimer's disease in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 167-182.e1.                                    | 1.5 | 60        |
| 31 | Medial temporal atrophy in early and late-onset Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 2004-2012.  | 1.5 | 59        |
| 32 | Striatal morphology in early-onset and late-onset Alzheimer's disease: a preliminary study. <i>Neurobiology of Aging</i> , 2013, 34, 1728-1739.   | 1.5 | 52        |
| 33 | Clinical validity of delayed recall tests as a gateway biomarker for Alzheimer's disease in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 153-166.                                  | 1.5 | 49        |
| 34 | Operationalizing protocol differences for EADC&ADNI manual hippocampal segmentation. <i>Alzheimer's and Dementia</i> , 2015, 11, 184-194.   | 0.4 | 48        |
| 35 | Hippocampal shape differences in dementia with Lewy bodies. <i>NeuroImage</i> , 2008, 41, 699-705.  | 2.1 | 47        |
| 36 | Structural brain features of borderline personality and bipolar disorders. <i>Psychiatry Research - Neuroimaging</i> , 2013, 213, 83-91.  | 0.9 | 43        |

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|----|--|-----|-----------|
| 37 | 2020 update on the clinical validity of cerebrospinal fluid amyloid, tau, and phospho-tau as biomarkers for Alzheimer's disease in the context of a structured 5-phase development framework. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2121-2139.                                     | 3.3 | 43        |
| 38 | Effects of estrogens on cognition and brain morphology: Involvement of the cerebellum. <i>Maturitas</i> , 2006, 54, 222-228.   | 1.0 | 41        |
| 39 | Harmonized benchmark labels of the hippocampus on magnetic resonance: The EADC-ADNI project. <i>Alzheimer's and Dementia</i> , 2015, 11, 151.  | 0.4 | 41        |
| 40 | The biomarker-based diagnosis of Alzheimer's disease. 1st ethical and societal issues. <i>Neurobiology of Aging</i> , 2017, 52, 132-140.   | 1.5 | 39        |
| 41 | Hippocampal and amygdalar volume changes in elderly patients with Alzheimer's disease and schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2011, 192, 77-83.   | 0.9 | 38        |
| 42 | The biomarker-based diagnosis of Alzheimer's disease. 2nd lessons from oncology. <i>Neurobiology of Aging</i> , 2017, 52, 141-152.   | 1.5 | 38        |
| 43 | AMYPAD Diagnostic and Patient Management Study: Rationale and design. <i>Alzheimer's and Dementia</i> , 2019, 15, 388-399.   | 0.4 | 37        |
| 44 | Amygdaloid atrophy in frontotemporal dementia and Alzheimer's disease. <i>Neuroscience Letters</i> , 2002, 335, 139-143.   | 1.0 | 35        |
| 45 | APOE and modulation of Alzheimer's and frontotemporal dementia. <i>Neuroscience Letters</i> , 2004, 356, 167-170.  | 1.0 | 35        |
| 46 | Automated assessment of FDG-PET for differential diagnosis in patients with neurodegenerative disorders. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1557-1566.  | 3.3 | 35        |
| 47 | Diagnostic utility of 18F-Fluorodeoxyglucose positron emission tomography (FDG-PET) in asymptomatic subjects at increased risk for Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1487-1496.   | 3.3 | 35        |
| 48 | Atypical nucleus accumbens morphology in psychopathy: Another limbic piece in the puzzle. <i>International Journal of Law and Psychiatry</i> , 2013, 36, 157-167.  | 0.5 | 34        |
| 49 | Clinical validity of presynaptic dopaminergic imaging with 123I-ioflupane and noradrenergic imaging with 123I-MIBG in the differential diagnosis between Alzheimer's disease and dementia with Lewy bodies in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 228-242. | 1.5 | 34        |
| 50 | Progress update from the hippocampal subfields group. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2019, 11, 439-449.   | 1.2 | 34        |
| 51 | Clinical validity of increased cortical uptake of [18F]flortaucipir on PET as a biomarker for Alzheimer's disease in the context of a structured 5-phase biomarker development framework. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2097-2109.   | 3.3 | 34        |
| 52 | Influence of serotonin receptor 2A His452Tyr polymorphism on brain temporal structures: a volumetric MR study. <i>European Journal of Human Genetics</i> , 2006, 14, 443-449.  | 1.4 | 33        |
| 53 | Abnormalities in functional connectivity in borderline personality disorder: Correlations with metacognition and emotion dysregulation. <i>Psychiatry Research - Neuroimaging</i> , 2019, 283, 118-124.  | 0.9 | 33        |
| 54 | Clinical validity of second-generation tau PET tracers as biomarkers for Alzheimer's disease in the context of a structured 5-phase development framework. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2110-2120.  | 3.3 | 33        |

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|----|--|-----|-----------|
| 55 | Reference standard space hippocampus labels according to the European Alzheimer's Disease Consortium's Alzheimer's Disease Neuroimaging Initiative harmonized protocol: Utility in automated volumetry. <i>Alzheimer's and Dementia</i> , 2017, 13, 893-902. | 0.4 | 32        |
| 56 | The Italian Brain Normative Archive of structural MR scans: norms for medial temporal atrophy and white matter lesions. <i>Aging Clinical and Experimental Research</i> , 2009, 21, 266-276.   | 1.4 | 31        |
| 57 | Volumetric and topographic differences in hippocampal subdivisions in borderline personality and bipolar disorders. <i>Psychiatry Research - Neuroimaging</i> , 2012, 203, 132-138.  | 0.9 | 31        |
| 58 | Automated voxel-by-voxel tissue classification for hippocampal segmentation: Methods and validation. <i>Physica Medica</i> , 2014, 30, 878-887.  | 0.4 | 31        |
| 59 | Topographic correspondence between white matter hyperintensities and brain atrophy. <i>Journal of Neurology</i> , 2006, 253, 919-927.  | 1.8 | 28        |
| 60 | Diagnostic utility of FDG-PET in the differential diagnosis between different forms of primary progressive aphasia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1526-1533.   | 3.3 | 28        |
| 61 | A comparison of automated segmentation and manual tracing in estimating hippocampal volume in ischemic stroke and healthy control participants. <i>NeuroImage: Clinical</i> , 2019, 21, 101581.  | 1.4 | 27        |
| 62 | Automated hippocampal segmentation in 3D MRI using random undersampling with boosting algorithm. <i>Pattern Analysis and Applications</i> , 2016, 19, 579-591.   | 3.1 | 24        |
| 63 | Clinical utility of FDG-PET in amyotrophic lateral sclerosis and Huntington's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1546-1556.  | 3.3 | 24        |
| 64 | Harmonizing neuropsychological assessment for mild neurocognitive disorders in Europe. <i>Alzheimer's and Dementia</i> , 2022, 18, 29-42.  | 0.4 | 24        |
| 65 | Clinical and medial temporal features in a family with mood disorders. <i>Neuroscience Letters</i> , 2010, 468, 93-97.   | 1.0 | 23        |
| 66 | Establishing Magnetic Resonance Images Orientation for the EADC's ADNI Manual Hippocampal Segmentation Protocol. <i>Journal of Neuroimaging</i> , 2014, 24, 509-514.   | 1.0 | 23        |
| 67 | Biomarkers for the diagnosis of Alzheimer's disease in clinical practice: an Italian intersocietal roadmap. <i>Neurobiology of Aging</i> , 2017, 52, 119-131.  | 1.5 | 23        |
| 68 | Incremental value of amyloid-PET versus CSF in the diagnosis of Alzheimer's disease. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 270-280.  | 3.3 | 23        |
| 69 | The A/T/N model applied through imaging biomarkers in a memory clinic. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 247-255.  | 3.3 | 23        |
| 70 | The strategic biomarker roadmap for the validation of Alzheimer's diagnostic biomarkers: methodological update. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2070-2085.   | 3.3 | 22        |
| 71 | Cognitive rehabilitation for severe dementia: Critical observations for better use of existing knowledge. <i>Mechanisms of Ageing and Development</i> , 2006, 127, 166-172.  | 2.2 | 21        |
| 72 | Italian consensus recommendations for a biomarker-based aetiological diagnosis in mild cognitive impairment patients. <i>European Journal of Neurology</i> , 2020, 27, 475-483.  | 1.7 | 20        |

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|----|---|-----|-----------|
| 73 | Abnormalities in Cortical Gray Matter Density in Borderline Personality Disorder. <i>European Psychiatry</i> , 2015, 30, 221-227.   | 0.1 | 19        |
| 74 | Hippocampal and Amygdalar Local Structural Differences in Elderly Patients with Schizophrenia. <i>American Journal of Geriatric Psychiatry</i> , 2015, 23, 47-58.   | 0.6 | 19        |
| 75 | Assessing FDG-PET diagnostic accuracy studies to develop recommendations for clinical use in dementia. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2018, 45, 1470-1486.   | 3.3 | 19        |
| 76 | Diagnostic value of amyloid-PET and tau-PET: a head-to-head comparison. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2200-2211.  | 3.3 | 19        |
| 77 | Norms for Imaging Markers of Brain Reserve. <i>Journal of Alzheimer's Disease</i> , 2012, 31, 623-633.  | 1.2 | 18        |
| 78 | Assessment of longitudinal hippocampal atrophy in the first year after ischemic stroke using automatic segmentation techniques. <i>NeuroImage: Clinical</i> , 2019, 24, 102008.   | 1.4 | 18        |
| 79 | Outcomes of clinical utility in amyloid-PET studies: state of art and future perspectives. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2157-2168.   | 3.3 | 18        |
| 80 | Manual segmentation qualification platform for the EADC-ADNI harmonized protocol for hippocampal segmentation project. <i>Alzheimer's and Dementia</i> , 2015, 11, 161-174.   | 0.4 | 17        |
| 81 | The Effect of Apolipoprotein Polymorphism on Brain in Mild Cognitive Impairment: A Voxel-Based Morphometric Study. <i>Dementia and Geriatric Cognitive Disorders</i> , 2006, 22, 60-66.   | 0.7 | 16        |
| 82 | Multiple RF classifier for the hippocampus segmentation: Method and validation on EADC-ADNI Harmonized Hippocampal Protocol. <i>Physica Medica</i> , 2015, 31, 1085-1091.   | 0.4 | 15        |
| 83 | Quantitative appraisal of the Amyloid Imaging Taskforce appropriate use criteria for amyloid-PET. <i>Alzheimer's and Dementia</i> , 2018, 14, 1088-1098.  | 0.4 | 15        |
| 84 | The <i>CST3</i> B haplotype is associated with frontotemporal lobar degeneration. <i>European Journal of Neurology</i> , 2010, 17, 143-146.   | 1.7 | 14        |
| 85 | Clinical characteristics of frontotemporal patients with symmetric brain atrophy. <i>European Archives of Psychiatry and Clinical Neuroscience</i> , 2002, 252, 235-239.  | 1.8 | 12        |
| 86 | Medial temporal lobe atrophy and posterior atrophy scales normative values. <i>NeuroImage: Clinical</i> , 2019, 24, 101936.   | 1.4 | 12        |
| 87 | HOXA1 A218G Polymorphism is Associated with Smaller Cerebellar Volume in Healthy Humans. <i>Journal of Neuroimaging</i> , 2009, 19, 353-358.  | 1.0 | 11        |
| 88 | H1 haplotype of the MAPT gene is associated with lower regional gray matter volume in healthy carriers. <i>European Journal of Human Genetics</i> , 2009, 17, 287-294.  | 1.4 | 11        |
| 89 | Clinical validity of increased cortical binding of tau ligands of the THK family and PBB3 on PET as biomarkers for Alzheimer's disease in the context of a structured 5-phase development framework. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 2086-2096. | 3.3 | 11        |
| 90 | Effect of the XbaI polymorphism of estrogen receptor alpha on postmenopausal gray matter. <i>Neuroscience Letters</i> , 2008, 434, 304-309.   | 1.0 | 8         |

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|-----|--|-----|-----------|
| 91  | Impact of alcohol consumption in healthy adults: A magnetic resonance imaging investigation. Psychiatry Research - Neuroimaging, 2014, 224, 96-103.  | 0.9 | 8         |
| 92  | Do Beliefs about the Pathogenetic Role of Amyloid Affect the Interpretation of Amyloid PET in the Clinic?. Neurodegenerative Diseases, 2016, 16, 111-117.  | 0.8 | 6         |
| 93  | Molecular imaging and fluid biomarkers of Alzheimer's disease neuropathology: an opportunity for integrated diagnostics. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2067-2069.      | 3.3 | 5         |
| 94  | Comparison of visual criteria for amyloid-PET reading: could criteria merging reduce inter-rater variability?. Quarterly Journal of Nuclear Medicine and Molecular Imaging, 2020, 64, 414-421.                 | 0.4 | 5         |
| 95  | The biomarker roadmap for the validation for Alzheimer's biomarkers: Methodological update for biomarkers of tauopathy. Alzheimer's and Dementia, 2020, 16, e039063.   | 0.4 | 3         |
| 96  | Delphi Consensus on Landmarks for the Manual Segmentation of the Hippocampus on MRI: Preliminary Results from the EADC-ADNI Harmonized Protocol Working Group (S04.003). Neurology, 2012, 78, S04.003-S04.003. | 1.5 | 3         |
| 97  | Clinical research in dementia: A perspective on implementing innovation. Alzheimer's and Dementia, 2022, , .   | 0.4 | 3         |
| 98  | Answer to "Social cognition assessment for mild neurocognitive disorders". Alzheimer's and Dementia, 2022, 18, 1441-1442.  | 0.4 | 3         |
| 99  | ICAD124: VALIDATION OF THE EADC-ADNI HARMONIZED PROTOCOL FOR MANUAL HIPPOCAMPAL SEGMENTATION. Alzheimer's and Dementia, 2014, 10, P70.   | 0.4 | 2         |
| 100 | Manual segmentation certification platform. , 2013, , .  |     | 1         |
| 101 | ICAD71: THE EFFECT OF APOE ON WHITE MATTER LESIONS. Alzheimer's and Dementia, 2018, 14, P63.   | 0.4 | 1         |
| 102 | Automated hippocampus segmentation with the Channeler Ant Model: Results on different datasets. , 2015, , .  |     | 0         |
| 103 | The incremental diagnostic value of 18F-Florbetapir imaging in naturalistic patients with cognitive impairment: final results from the india-FBP study. Neurobiology of Aging, 2016, 39, S27.                  | 1.5 | 0         |
| 104 | MRI analysis for hippocampus segmentation on a distributed infrastructure. , 2016, , .   |     | 0         |
| 105 | PAD64: THE EFFECT OF APOE ON WHITE MATTER LESIONS. Alzheimer's and Dementia, 2018, 14, P1457.  | 0.4 | 0         |
| 106 | Diagnosing foreign patients in Europe: An EADC-ISTAART study. Alzheimer's and Dementia, 2021, 17, .  | 0.4 | 0         |
| 107 | Distance assessment of cognitive deficits in older immigrants. Alzheimer's and Dementia, 2021, 17, e049315.  | 0.4 | 0         |