

Publication List (Complete)

Serge Demeyer

October 6, 2025

This document lists the publications (co-)authored by Serge Demeyer spanning his whole research career (1994—2025). The list includes those articles which have been accepted for publication on March 2025 (may be scheduled for publication in subsequent years). It also lists the PhDs finished under Serge Demeyer’s supervision. The list itself is divided into categories and within each category items are listed in reverse chronological order. Whenever possible a quality indicator is included: for journal papers the SCI impact factor as published in the JCR Science Edition, for conference papers the acceptance ratio.

As far as research impact concerns, an extract of the bibliometric indicators of the ACM and Google Scholar digital library are included. Moreover, the ***TOP*** publications are explicitly marked, where the TOP status can be achieved in two ways.

- *Conference Publications*: consulting the rankings of the Computing Research and Education Association of Australasia (CORE) available at <http://portal.core.edu.au/conf-ranks/> a conference is marked ***TOP*** when it is ranked A* (= top 4%) or A (=next 14%).
- *Journal Publications*: consulting the SCI impact factor as published in the JCR Science Edition a journal is marked ***TOP*** when it is ranked among the first 10 items in one of the subcategories of “Computer Science” sorted by the 5-Year Impact Factor. In principle, we consult the rankings that year before the article was accepted for publication.

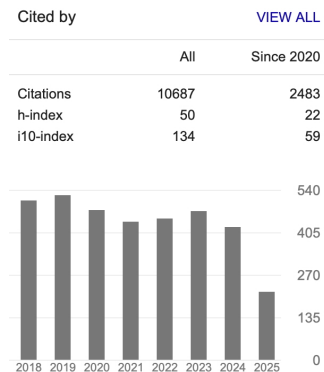


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h-index of 50 according to Google Scholar.

Figure 1: Bibliometric indicators — Google Scholar (Extract July 18, 2025)

Classification

- Articles in journals with external refereeing. [1] (2025), [2] (2024), [3], [4], [5], [6] (2023), [7], [8], [9] (2022), [10] (2021), [11] (2020), [12] (2018), [13], [14], [15] (2017), [16] (2016), [17] (2014), [18] (2011), [19] (2010), [20] (2009), [21], [22] (2008), [23], [24] (2007), [25] (2005), [26] (2001), [27] (2000), [28] (1999), [29] (1997)
- Editorial.
[30] (2015), [31] (2009).
- Monography as an author or editor.
[32] (2014), [33] (2008), [34] (2007), [35] (2003), [36] (1999), [37] (1998)
- Articles in conference proceedings with external refereeing.
[38], [39] (2025), [40] (2024), [41] (2023), [42], [43], [44], [45], [46] (2022), [47], [48] (2021), [49], [50], [51] (2020), [52], [53] (2019), [54], [55], [56], [57], [58] (2018), [59], [60] (2017), [61], [62], [63], [64], [65] (2016), [66], [67] (2015), [68] (2014), [69], [70], [71], [72], [73] (2013), [74], [75], [76] (2012), [77], [78], [79], [80] (2011), [81], [82] (2010), [83], [84], [85] (2009), [86], [87], [88] (2008), [89], [90], [91], [92], [93], [94] (2006), [95], [96], [97], [98], [99], [100], [101] (2005), [102], [103], [104], [105] (2004), [106], [107] (2003), [108], (2002), [109], [110], [111] (2000), [112], [113], [114] (1999), [115] (1997), [116] (1994)
- Invited articles in theme books.
[117], [118] (2023), [119] (2012), [120] (2011), [121] (2009), [122] (2008), [123] (2005), [124] (1996)
- Workshop proceedings as editor.
[125] (2024), [126] (2022), [127] (2020), [128] (2019), [129] (2018), [130], [131] (2017), [132] (2006), [133] (2005), [134] (2004), [135] (2003), [136], [137] (1999), [138] (1997), [139] (1996)
- Workshop Papers, Posters and Reports without External Refereeing.
[140], [141] (2025), [142], [143] (2024), [144], [145] (2023), [146], [147], [148] (2022), [149], [150], [151] (2021), [152], [153], [154], [155], [156], [157], [158] (2020), [159], [160], [161], [162], [163] (2019), [164], [165], [166], [167], [168], [169] (2018), [170], [171], [172], [173] (2017), [174], [175], [176], [177], [178], [179] (2016), [180], [181], [182] (2015), [183], [184] (2014), [185], [186], [187], [188] (2013), [189], [190] (2012), [191], [192], [193] (2011), [194], [195], [196], [197], [198], [199], [200], [201] (2010), [202], [203] (2009), [204] (2008), [205], [206], [207], [208] (2007), [209] (2006), [210] (2005), [211], [212], [213], [214], [215], [216] (2004), [217], [218], [219], [220], [221], [222], [223], [224], [225] (2003), [226], [227], [228] (2001), [229], [230], [231], [232], [233], [234], [235] (2000), [236], [237], [238], [239] (1999), [240], [241], [242], [243], [244] (1998), [245], [246] (1997), [247], [248], [249] (1996), [250] (1994)
- Technical Papers.
[251] (2001), [252] (1999), [253], [254] (1998), [255] (1997), [256] (1995), [257] (1994).
- Ph.D. Dissertations (Promotor & Author).
Promotor: [258], [259], (2023), [260], (2022), [261], [262], (2019), [263], (2018), [264], [265] (2016), [266] (2015), [267] (2014), [268], [269] (2013), [270] (2012), [271] (2010), [272] (2009), [273], [274] (2008), [275], (2007), [276], [277] (2006)
Author: [278] (1996)

Publication List

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- [5] Sten Vercammen, Serge Demeyer, and Markus Borg. F-ASTMut: mutation optimisations techniques using the Clang front-end. *Software Impacts*, 16:100500, March 2023. DOI: 10.1016/j.simpa.2023.100500.
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- [16] Quinten David Soetens, Serge Demeyer, Andy Zaidman, and Javier Pérez. Change-based test selection: an empirical evaluation. *Empirical Software Engineering*, 21(1):1 – 43, October 2016. DOI: 10.1007/s10664-015-9405-5, SCI impact factor 1.393, ranked 27 / 106 in Computer Science, Software Engineering — 2015.
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- approach to context-aware modelling. *Software & Systems Modeling*, 13(1):191–208, March 2014. DOI: 10.1007/s10270-012-0239-y, SCI impact factor 0.820, ranked 62 / 105 in Computer Science, Software Engineering — 2013.
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