

SCIENTIFIC PUBLICATIONS

2.1 Bibliometric parameters

53 original articles

10 reviews/ other publications

1 clinical guideline

3 book chapters

2.2 List of all original works

1. Hjelmgren H, **Nilsson A**, Hed Myrberg I, Andersson-Papagiannakis N, Ygge B-M, Nordlund B. Capillary blood sampling increases the risk of pre-analytical errors in paediatric hospital care (In press, Pediatric Nursing)
2. Ranta S, Broman L M, Abrahamsson J, Berner J, Fläring U, Hed Myrberg I, Kalzen H, Karlsson L, Mellgren K, **Nilsson A**, Noren-Nyström U, Palle J, Von Schewelov, Svahn JE, Törnudd L, heuman M, Harila-Saari, A. Intensive care unit admission in children with acute lymphoblastic leukemia in Sweden: incidence, outcome, and risk factors . (In press, Pediatric Critical Medicine)
3. Lasaviciute G, Ujvari D, Höbinger A, Salomon D, Yusuf A, Sundin M, Sverremark-Ekström E, **Nilsson A** and Saghafian-Hedengren S* Human Bone Marrow Mesenchymal Stromal Cell-Derived CXCL12, IL-6 and GDF-15 and Their Capacity to Support IgG-Secreting Cells in Culture Are Divergently Affected by Doxorubicin. (in press, Hemato)
4. Wahlund M, Lindqvist Appell M, Hed Myrberg I, Berggren A, **Nilsson A**. Genetic sequence variants in TLR4, MBL or IL-1 receptor antagonist is not associated to increased risk for febrile neutropenia in children with ALL . Children **2020**,7,296; doi:10.3390/children7120296
5. Luthander J, Bennet R, Giske C , Eriksson M , **Nilsson A**. Trends of pediatric bloodstream infections in Stockholm, Sweden: A 20-year retrospective study. *Pediatr Infect Dis J.* 2020 Dec;39(12):1069-1074. doi: 10.1097/INF.0000000000002850.
6. Wahlund M, Sinha I, Broliden K, Saghafian-Hedengren S, **Nilsson A***, Berggren A*. Feasibility of host transcriptome profiling as a diagnostic tool in childhood cancer patients with febrile neutropenia. *J Mol Sci.* 2020 Jul 26;21(15):E5305. doi: 10.3390/ijms21155305
7. Lasciavute G, Lilieroth Bricaud A, Hellgren F, Ingelman-Sundberg H, , Eksborg S, Jonker M, Hasstra K, Hed Myrberg I, Sverremark-Ekström E , Lore K, Saghafian-Hedengren S, **Nilsson A**. Deficits in the IgG+memory B cell recovery after anthracycline treatments is confined to the spleen of rhesus macaques . *Clinical Translational Immunology* 2020 Jul 2; 9(7): e1150. doi: 10.1002/cti2.1150
8. Chrapkowska C, Galanis I, Kark M, Lepp T, Lindstrand A, Roth A, **Nilsson A**. Validation of the new Swedish Vaccination Register– accuracy and completeness of register data. *Vaccine.* 2020 May 22;38(25):4104-4110. doi: 10.1016/
9. Ranta S, Kalzén H, Heyman M, von Schewelov K, Broman L, Fläring U, Norén-Nyström U, Svahn J, Palle J, Törnudd L, Karlsson L, Mellgren K, Abrahamsson J, **Nilsson A**, Harila-Saari A. Extracorporeal membrane oxygenation support in children with hematological malignancies in Sweden *J Pediatr Hematol Oncol.* 2020 Apr 13. doi: 10.1097/ MPH. 0000000000001808

10. Wahlund M, **Nilsson A**, Zimdahl A, Hed Myrberg I, Broliden K, Appell Lindqvist M, Berggren A. The Role of TPMT, ITPA, and NUDT15 Variants during Mercaptopurine Treatment of Swedish Pediatric Patients with Acute Lymphoblastic Leukemia. *J Pediatr*. 2020 Jan;216:150-157.e1. doi: 10.1016/j.jpeds.2019.09.024.
11. Arnason S, Hulcrantz M, **Nilsson A**, Laestadius Å. Peripheral facial nerve palsy in children in a Borrelia high-endemic area, a retrospective follow-up study *Acta Paediatr*. 2019 Oct 20. doi: 10.1111/apa.15063.
12. Malmqvist L, Ullberg M, Hed Myrberg I, **Nilsson A**. Clostridium *difficile* Infection in children; epidemiology and trend in a Swedish Tertiary Care Hospital. *Pediatr Infect Dis J* 2019 Dec;38(12):1208-1213.
13. Laestadius Å, Ingelman-Sundberg HM, Hed Myrberg, I, Verme A, Sundberg E, Schweiger B, Saghafian-Hedengren S, **Nilsson A**. Altered proportions of circulating CXCR5+helper T cells do not dampen influenza vaccine responses in children with rheumatic disease. *Vaccine*. 2019 Jun 19;37(28):3685-3693.
14. Luthander J, Bennet R, **Nilsson A**, Eriksson M. Antimicrobial Use in a Swedish Pediatric Hospital Results From Eight Point-prevalence Surveys Over a 15-Year Period (2003-2017). *Pediatr Infect Dis J*. 2019 Sep;38(9):929-933.
15. Hamrin J, Perez M, Idborg H, Jakobsson, PJ, Björk L, Eriksson, M, **Nilsson A**, Herlenius E. Urinary Prostaglandin E₂ metabolite levels in healthy and I infected infants *Acta Paed* 2019 Apr 1. doi: 10.1111/apa.14807
16. Bekele Y, Lemma M, Bobosha K, Yibeltal D, Nasi A, Gebre M, **Nilsson A**, Aseffa A, Howe R, Chiodi F. Homing defects of B cells in HIV-1 infected children impair vaccination responses. *Vaccine* 2019 Apr 17;37(17):2348-2355.
17. Hjelmgren H, **Nilsson A**, Andersson- Papadogiannakis N, Rizmo C, Ygge BM, Nordlund B. Retrospective study showed that blood sampling errors risked children's well-being and safety in a Swedish paediatric tertiary care *Acta Paediatr* 2019 Mar;108(3):522-528
18. Moell J, Svenningsson A, Larson M, Af Sandeberg M, Heyman M, Harila-Saari A, **Nilsson A**. Early central line-associated blood stream infections in children with cancer pose a risk for premature catheter removal. *Acta Paediatr*. 2019 Fe;108,361-366 doi: 10.1111/apa.14432.
19. Bekele Y, Lantto Graham R, Soeria-Atmadja S, Nasi A, Zazzi M, Vicenti I, Naver L, **Nilsson A**, Chiodi F. HBV vaccination in HIV-1 infected young adults, a tool to reduce the size of HIV reservoir? *Front Immunol*. 2018 Jan 10;8:1966.
20. Lasaviciute G, Björkander S, Carvalho-Queiroz C, Hed Myrberg I, Nilsson C, Bemark M, **Nilsson A**, Sverremark-Ekström E, Saghafian-Hedengren S. Epstein-Barr Virus, but Not Cytomegalovirus, Latency Accelerates the Decay of Childhood Measles and Rubella Vaccine Responses-A 10-Year Follow-up of a Swedish Birth Cohort. *Front Immunol*. 2017 Dec 21;8:1865.
21. Bekele Y, Yibeltal D, Bobosha K, Andargi TE, Lemma M, Gebre M, **Nilsson A**, Howe R, Chiodi F. T follicular helper cells and antibody response to Hepatitis B virus vaccine in HIV-1 infected children receiving ART. *Sci Rep*. 2017 Aug 21;7(1):8956. doi: 10.1038/s41598-017-09165-6.
22. Eriksson M, **Nilsson A**, Bennet R. Changing diagnosis coding routines may confound the results of longitudinal childhood pneumonia studies *Acta Paediatr*. 2017 May 16. doi: 10.1111/apa.13923
23. Persson L, Harila-Saari, Hed Myrberg I, Heyman M, **Nilsson A**, Ranta S. Hypertriglyceridemia during Asparaginase Treatment in Children with Acute Lymphoblastic Leukemia. *Pediatr Blood Cancer*. 2017 Oct;64(10). doi: 10.1002/pbc.26559.

24. Sterky E, Lindstrand A, Bennet R, Eriksson M, **Nilsson A**. The impact of pneumococcal conjugate vaccine on community-acquired pneumonia hospitalizations in children with comorbidity. *Eur J Pediatr*. 2017 Mar;176(3):337-342.
25. Af Sandeberg M, Johansson E, Wettergren L, Björk O, Hertting O, **Nilsson A**. Antibiotic use during infectious episodes in the first 6 months of anticancer treatment-A Swedish cohort study of children aged 7-16 years. *Pediatr Blood Cancer*. 2017 Jul;64(7). doi: 10.1002/pbc.26397.
26. Saghafian-Hedengren S, Mathew JL, Hagel E, Singhi S, Ray P, Ygberg S, **Nilsson A**. Assessment of Cytokine and Chemokine Signatures as Potential Biomarkers of Childhood Community-acquired Pneumonia Severity: A Nested Cohort Study in India. *Pediatr Infect Dis J*. 2017 Jan;36(1):102-108.
27. Ygberg S, Brauner A, Chamber BJ, Wiklund C, **Nilsson A**. Glucocorticoid treatment of bacterial meningitis in children - a ten year retrospective case series. *Acta Paediatr*. 2016 Aug;105(8):979-82.
28. Ingelman-Sundberg HM, Laestadius Å, Chrapkowska C, Mördrup K, Magnusson B, Sundberg E, **Nilsson A**. Diverse Effects on Vaccine-specific Serum IgG titres and Memory B cells Upon Methotrexate and Anti-TNF- α Therapy in Children with Rheumatic Diseases: A Cross-sectional study. *Vaccine* 2016 Mar 4;34(10):1304-11.
29. Mathew JL, Singhi S, Ray P, Hagel E, Saghafian-Hedengren S, Bansal A, Ygberg S, Singh Sodhi K, Ravi Kumar BV, **Nilsson A**. Etiology of pneumonia among children in India- data from the Community Acquired Pneumonia Etiology Study (CAPES) cohort. [J Glob Health](#). 2015 Dec;5(2):050418. doi: 10.7189/jogh.05.020418.
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31. Luthander J, Bennet R, Giske C, **Nilsson A**, Eriksson M. Introduction of pneumococcal vaccination and group B streptococcus prophylaxis alters the etiology of bloodstream infections in children with no risk factors. *Acta Paediatr*. 2015 Sep;104(9):933-9. doi: 10.1111/apa.13070.
32. Ingelman-Sundberg H, Hedengren S, Jahnmatz M, Eksborg S, Jonker M, **Nilsson A**. Selective loss of vaccine-specific memory B cells in a Rhesus Macaque model of chemotherapy – influence of Doxorubicin on immunological memory. *Haematologica* 2015 Apr;100(4):e158-61
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34. Kakaulidou, M, Ingelman-Sundberg H, Johansson E Cagigi A, Farouk S, **Nilsson A** & Johansen K. Kinetics of antibody and memory B cell responses after MMR immunisation in children and young adults. *Vaccine* 2013 Jan 11;31(4):711-7)
35. Luthander J, Bennet R, **Nilsson A**, Giske C, Eriksson M. Age and risk factors influences on the microbial etiology of blood stream infection in children. *Acta paed*. 2013 Feb;102(2):182-6.
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38. Cagigi A, Palma P, S **Nilsson A**, Pensieroso S, di Cesraere Kakoudoliou M, Bernardi S, Rossi P, Chiodi F. Ongoing HIV-1 has an impact on the physiological age-related decline of immature-transitional B-cells in vertically infected children . *AIDS* 2010; 10: 2075-2080
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41. Pensieroso S, Cagigi A, Palma P, **Nilsson A**, Capponi C, Freda E, Bernardi S, Thorstensson R, Chiodi F, Rossi P. To B or not to B: Timing of HAART defines the integrity of B-cell responses and the design of vaccine schedules in HIV-1 vertically infected children. *PNAS* 2009, May 12;106(19):7939-44
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49. Eriksson M, Bennet R, **Nilsson A**. Wheezing following lower respiratory tract infections with respiratory syncytial virus and influenza A in infancy. *Pediatr Allergy Immunol* 2000; 11:193-197
50. **Nilsson A**, Örtqvist Å. Varicella pneumonia in adults in Stockholm county 1980-1989. *Scand J Inf Dis* 1996; 28: 121-123.
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53. Titanji K, **Nilsson A**, Mörch C, Samuelsson A, Sönnernborg A, Grutzmeier S, Zazzi M, De Milito A. Low frequency of plasma NGF detection is associated with death of

- memory B lymphocytes during HIV-1 infection. *Clinical Exp Immunol*, 2003; 132: 297-303
54. De Milito A, **Nilsson A**, Titanji K, Thorstensson R, Reizenstein E, Narita M, Sönnernborg A, Chiodi F. Mechanisms of hypergammaglobulinemia and impaired antigen-specific immunity in HIV-1 infection. *Blood* 2004;103: 2180-2186
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 56. Mowafi F, Cagigi A, Matskova L, Björk O, Chiodi F, **Nilsson A**. The chemokine SDF-1/CXCL12 enhances proliferation in pre-B ALL via STAT5. *Pediatric Blood Cancer* 2008; 50: 812-7.

Reviews

1. Saghafian-Hedengren S, Sverreremark-Ekström E, **Nilsson A**. T cell subsets during early life and their implication in the treatment of childhood acute lymphoblastic leukaemia (in press) *Front Immunol* 2021
2. **Nilsson A**, Edner N, Albert J, Ternhag A. Fatal encephalitis associated with coronavirus OC43 in an immunocompromised child. *Infect Dis* 2020 Jun;52(6):419-422
3. **Nilsson A**, Chiodi F. Early ART administration may preserve vaccine responses in HIV infected patients by preventing damage to long-lived plasma cells. *J Infectious Dis* 2019 Dec 23. pii: jiz679. doi: 10.1093/infdis/jiz679.
4. **Nilsson A**. What benefits do immunocompromised children get from the VZV vaccination? *Acta Paediatr.* 2018 Dec 107 (12): 2046-2047
5. Saghafian-Hedengren S, Söderström I, Sverreremark-Ekström E, **Nilsson A**. Insights into defective serological memory after ALL treatment: the role of the plasma cell survival niche, memory B-cells and gut microbiota in vaccine responses . *Blood Rev.* 2017 Aug 26.
6. Laestadius Å, **Nilsson A**, Bennet R, Bogdanov G, Eriksson M. Barnvaccinationsprogrammet-effektivt men otillräckligt. *Läkartidningen* 2017 Jan 16;114.
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8. **Nilsson A**, Chiodi F. Measles in Africa-is there a link to HIV-1 infection? *PlosPathogen* 2011 Feb 10;7(2):e1001241
9. Cagigi A, **Nilsson A**, Pensiero S, Chiodi F. Dysfunctional B cell responses during HIV-1 infection: implication for influenza immunisation. *Lancet Infectious Diseases* 2010;10: 499-503.
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11. Grimheden P, Bennett R, Hjern A, **Nilsson A**, Eriksson M. Vattkoppor- inte alltid en harmlös barnsjukdom. *Läkartidningen* 2009 Feb 25-Mar 3;106(9):580-2.
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14. **Nilsson A**, Örtqvist E, Nilsson-Ehle P, Lagercrantz H, Henter J-I. Transient hypertriglyceridemia of infancy. *Acta Paediatrica* 1996; 85:1508- 1511

2.5 List of general articles and book chapters

1. Saghafian-Hedengren S, Sverremark-Ekström E, **Nilsson A**. T cell subsets during early life and their implication in the treatment of childhood acute lymphoblastic leukaemia (in press) *Front Immunol* 2021
2. **Nilsson A**, Edner N, Albert J, Ternhag A. Fatal encephalitis associated with coronavirus OC43 in an immunocompromised child. *Infect Dis* 2020 Jun;52(6):419-422
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Book chapters

1. Chapter 20 paediatric infections “**Barnmedicin**” 4th edition 2012 (revised 2018, Studentlitteratur). **Nilsson A** and Frithiof D
2. Chapter on the developing immune system in “**Barninfektioner**” 1st edition 2013 (Studentlitteratur) .**Nilsson A**.
3. Chapter on Paediatric immunology and vaccinology in “**Molecular Vaccines - From Prophylaxis to Therapy**” edited by prof M Giese , Springer Verlag, Wien. **Nilsson A** and Ygberg S (Springer 2014)