



FFI-RAPPORT

18/01163

Oversikt over FFIs publisering i fagtidsskrifter 2017

Synnøve Eifring
Anne-Lise Hammer
Caroline Musæus

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Emneord

Publisering
Tidsskrifter
Fagfelleevaluering

FFI-rapport

18/01163

Prosjektnummer

990400

ISBN

P: 978-82-464-3074-4

E: 978-82-464-3075-1

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Opphavsrett

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Sammendrag

Rapporten gir en oversikt over FFI-forskeres publisering i fagtidsskrifter med fagfelleevaluering i 2017. Oversikten er hentet ut fra den norske publikasjonsdatabasen CRISTin, som er et felles system for registrering og rapportering av forskningsaktiviteter for institusjoner i helsesektoren, instituttsektoren og universitets- og høyskole (UH)-sektoren.

Oversikten viser en fordeling på nivå 1- og nivå 2 (høyeste faglige nivå)-tidsskrifter og på avdelinger.

FFI har som mål å øke publiseringen i renommerte fagtidsskrifter. Policy er å velge open access-tidsskrifter når det er mulig. Antall publiseringer er steget fra 2016 til 2017. Andel publiseringer i tidsskrifter på høyeste faglig nivå har også steget, men er likevel lavere enn gjennomsnittet, som er 20 prosent.

Summary

This report gives an overview of publications in peer reviewed scientific journals published by FFI researchers in 2017. The overview is retrieved from the Norwegian publications database Current Research Information System in Norway (CRISStin), which is a common system for the registration and reporting of research activities for institutions in the health sector, the institute sector and the university and college sector.

The overview shows the publications distributed on level 1 and level 2 journals (level 2 being the highest) and on the FFI departments.

FFI aims to increase the number of publications in renowned journals. Policy is to choose open access journals when possible. The number of peer reviewed articles has increased from 2016 to 2017. The percentage of publications on level 2 has also increased, but is still lower than the average, which is 20 percent.

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1 Innledning

Rapporten gir oversikt over FFI-forskeres publisering i fagtidsskrifter med fagfelle vurdering i året 2017. Oversikten er hentet fra Current Research Information System in Norway (CRISTin) <http://www.cristin.no>, som er et felles system for registrering og rapportering av forskningsaktiviteter for institusjoner i helsesektoren, instituttsektoren og universitets- og høgskole (UH)-sektoren. CRISTin blir driftet av Unit – direktoratet for IKT og fellestjenester i høyere utdanning og forskning.

Oversikten viser fordeling på nivå 1- og nivå 2-tidsskrifter og avdelinger. Nivå 1 er normalt vitenskapelig nivå mens nivå 2 er de 20 prosent av tidsskriftene som har høyest prestisje.

FFI-forskere publiserer også en del konferanseartikler og kapitler i bøker og rapporter som kan være på nivå 1 eller 2. Disse er tatt med i en egen oversikt i denne rapporten.

2 Uttak av informasjon

I forbindelse med FFIs årsrapportering for 2017 ble data hentet ut fra CRISTin 16. januar 2018 og det ble rapportert 95 FFI-publiseringer totalt i fagtidsskrifter med fagfelle vurdering. Dataene i denne rapporten er tatt ut 15. april 2018 og kan derfor være forskjellige fra de i årsrapporten.

Hvert år sender alle forskningsinstitusjoner i Norge inn publikasjonstall til Norsk vitenskapsindeks (NVI), det vil si den norske publiseringsstatistikken. Disse tallene tas ut og sendes i april i det etterfølgende året og blir brukt av myndigheter og Norges forskningsråd som grunnlag for politikk og forvaltning. Listene i denne rapporten er tatt ut samme dag som tallene til NVI-statistikken ble sendt inn.

En del artikler har forfattere fra flere avdelinger og vil derfor forekomme på flere avdelingslister.

2.1 Statistisk oversikt tidsskriftartikler fordelt på nivå 1 og nivå 2

<i>Fagtidsskrifter med fagfelle vurdering</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
<i>Nivå 1-tidsskrifter</i>	<i>64</i>	<i>56</i>	<i>64</i>	<i>76</i>	<i>88</i>
<i>Nivå 2-tidsskrifter</i>	<i>30</i>	<i>15</i>	<i>14</i>	<i>11</i>	<i>19</i>
<i>Sum antall publiseringer</i>	<i>94</i>	<i>71</i>	<i>78</i>	<i>87</i>	<i>107</i>
<i>Andel på nivå 2 (%)</i>	<i>31,9</i>	<i>21,1</i>	<i>17,9</i>	<i>12,6</i>	<i>17,8</i>

Tabell 2.1 *Publiseringer av FFI-forskere samlet.*

<i>Avdelinger</i>	<i>Analyse</i>	<i>Cybersystemer og EK</i>	<i>Landsystemer</i>	<i>Luft- og romsystemer</i>	<i>Maritime systemer</i>	<i>Beskyttelse og samfunnsikkerhet</i>
<i>Nivå 1</i>	16	18	12	18	9	15
<i>Nivå 2</i>	2	2	1	3	3	8
<i>Sum</i>	18	20	13	21	12	23
<i>Andel nivå 2 (%)</i>	11,1	10	7,7	14,3	25	34,8

Tabell 2.2 *Publiseringer per avdeling 2017.*

2.2 Statistisk oversikt over vitenskapelig del av bok/rapport/kapittel fordelt på nivå 1 og nivå 2

<i>Vitenskapelig del av bok/rapport/kapittel</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>	<i>2017</i>
<i>Nivå 1 bok/rapport/kapittel</i>	13	27	11	24
<i>Nivå 2 bok/rapport/kapittel</i>	2	7	1	3
<i>Sum</i>	15	34	12	27
<i>Andel på nivå 2 (%)</i>	13,3	20,6	8,3	11,1

Tabell 2.3 *Publiseringer av FFI-forskere samlet.*

<i>Avdelinger</i>	<i>Analyse</i>	<i>Cybersystemer og EK</i>	<i>Landsystemer</i>	<i>Luft- og romsystemer</i>	<i>Maritime systemer</i>	<i>Beskyttelse og samfunnsikkerhet</i>
<i>Nivå 1</i>	4	10	0	2	5	3
<i>Nivå 2</i>	3	0	0	0	0	0
<i>Sum</i>	7	0	0	0	0	0
<i>Andel nivå 2 (%)</i>	42,9	0	0	0	0	0

Tabell 2.4 *Publiseringer per avdeling 2017.*

3 Oversikt 2017

3.1 Avdeling Analyse

3.1.1 Nivå 2

Førsund, Finn R.

Measuring effectiveness of production in the public sector. *Omega : The International Journal of Management Science* 2017 ;Volum 73.(December) s. 93-103, FFI UiO

Nesser, Petter.

Wagemakers, Joas (2016) Salafism in Jordan. *Journal of Peace Research* 2017, FFI

3.1.2 Nivå 1

Bjerke, Thea; Rones, Nina.

The Fine Line between Funny and Offensive Humour in a Total Institution: An Ethnographic Study of Joking Relationships among Army Soldiers. *Res Militaris* 017; Volum 7.(2) s. -, FFI

Bukkvoll, Tor; Malmlöf, Tomas; Makienko, Konstantin.

The defence industry as a locomotive for technological renewal in Russia: are the conditions in place? *Post-Communist Economies* 2017; Volum 29.(2) s. 232-249, FFI

Fauske, Maria Fleischer.

Using a genetic algorithm to solve the troops-to-tasks problem in military operations planning. *The Journal of Defence Modeling and Simulation: Applications, Methodology, Technology* 2017; Volum 14.(4) s. 439-446, FFI

Førsund, Finn R.

Economic interpretations of DEA. *Socio-Economic Planning Sciences* 2017; Volum 61.(1) s. 9-15, FFI UiO

Grunnan, Tonje; Fridheim, Håvard.

Planning and conducting crisis management exercises for decision-making: the do's and don'ts. *EURO Journal on Decision Processes* 2017 s. 1-17, FFI

Gråtrud, Henrik.

En ny al-Gaddafi? Feltmarskalk Khalifa Haftar. *Babylon - Nordisk tidsskrift for Midtøstenstudier* 2017; Volum 15.(1) s. 38-51, FFI UiO

Gråtrud, Henrik; Skretting, Vidar Benjamin.

Ansar al-Sharia in Libya: An Enduring Threat. *Perspectives on Terrorism* 2017; Volum 11.(1) s. 40-53, FFI

Hakvåg, Una.

Russian defense spending after 2010: the interplay of personal, domestic, and foreign policy interests. *Post-Soviet Affairs* 2017 ;Volum 33.(6) s. 496-510, FFI

Hove, Kjetil Hatlebakk.

Særegen kostnadsvekst i Forsvaret? *Samfunnsøkonomen* 2017; Volum 131.(5) s. 44-52, FFI

Johansen, Iver.

Scenario modelling with morphological analysis. *Technological forecasting & social change* 2017; Volum 126. s. 116-125, FFI

Johnson, Alexander Urnes; Hove, Kjetil Hatlebakk; Lillekvelland, Tobias.

Country survey: military expenditure and defence policy in Norway 1970-2013. *Defence and Peace Economics* 2017; Volum 28.(6) s. 669-685, FFI

Knutsen, Bjørn-Olav.

Going deep! Acquiring new submarines in common? An analysis of Dutch and Norwegian Security Interests, defence traditions and concepts for the use of submarines. *Studia Diplomatica* 2017; Volum 68.(4) s. 51-78, FFI NORD

Køber, Petter Kristian; Lang-Ree, Ole Christian; Stubberud, Kari Vangsgraven; Martinussen, Monica.

Predicting Basic Military Performance for Conscripts in the Norwegian Armed Forces. *Military Psychology* 2017; Volum 29.(6) s. 560-569, FFI FORSV UiT

Rones, Nina.

Gender-Mixed Army Dorm Rooms, 50% Women and All-Female Special Forces Training: How Does Norway's Radical Attempt to Integrate Women in the Military Work? *Res Militaris* 2017; Volum 7.(2) s. -, FFI

Stenersen, Anne.

Bok: Målfrid Braut-Hegghammer, Unclear Physics: Why Iran and Libya failed to build nuclear weapons. *Babylon - Nordisk tidsskrift for Midtøstenstudier* 2017; Volum 1. s. 72-73, FFI

Stenersen, Anne.

Thirty years after its foundation – where is al-Qaida going? *Perspectives on Terrorism* 2017;Volum 11.(6) s. 5-16, FFI

3.2 Avdeling Cybersystemer og elektronisk krigføring

3.2.1 Nivå 2

Hannay, Jo Erskine; Bråthen, Karsten; Mevassvik, Ole Martin.

A Hybrid Architecture Framework for Simulations in a Service-Oriented Environment. *Systems Engineering* 2017; Volum 20.(3) s. 235-256, FFI

Kongsgård, Kyrre Wahl; Nordbotten, Nils Agne; Mancini, Federico; Haakseth, Raymond; Engelstad, Paal E.

Data Leakage Prevention for Secure Cross-Domain Information Exchange. *IEEE Communications Magazine* 2017; Volum 55.(10) s. 37-43, FFI HIOA UiO

3.2.2 Nivå 1

Akhtar, Jabran; Olsen, Karl Erik.

Sparse Frequency Extrapolation of Spectrograms. European Signal Processing Conference 2017 s. 1175-1179, FFI

Akhtar, Jabran; Torvik, Børge; Olsen, Karl Erik.

Sparse Phase Estimation and Processing of Independent Coherent Processing Intervals. *IEEE Radar Conference. Proceedings* 2017 s. 186-189, FFI

Bjørnstad, Anne Lise; Ulleberg, Pål.

Is established knowledge about cross-cultural differences in individualism–collectivism not applicable to the military? A multi-method study of cross-cultural differences in behavior. *Military Psychology* 2017; Volum 29.(6) s. 477-490, FFI UiO

Bruvoll, Solveig; Lyche, Tom Johan; Mørken, Knut Martin.

Uniformly stable wavelets on nonuniform triangulations. *Mathematics and Computers in Simulation* 2017; Volum 137. s. 177-200
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Christiansen, Jonas Myhre; Smith, Graeme E.; Olsen, Karl Erik.

USRP based cognitive radar testbed. *IEEE Radar Conference. Proceedings* 2017 s. 1115-1118, FFI

Engebråten, Sondre; Moen, Hans Jonas Fossum; Glette, Kyrre.

Meta-heuristics for improved RF emitter localization. *Lecture Notes in Computer Science* 2017; Volum 10200 LNCS.(Part II) s. 207-223, FFI UiO

Farsund, Bodil Hvesser; Hegland, Anne Marie; Lillevold, Frode Johan.

LTE for military communication - Business models and vulnerabilities. *International Conference on Advanced Communication Technology, ICACT 2017* s. 64-71, FFI

Hannay, Jo Erskine.

Architectural work for modeling and simulation combining the NATO Architecture Framework and C3 Taxonomy. *The Journal of Defence Modeling and Simulation: Applications, Methodology, Technology 2017*; Volum 14.(2) s. 139-158, FFI

Haug, Espen; Hoff, Harald.

Stochastic space interval as a link between quantum randomness and macroscopic randomness? *Physica A: Statistical Mechanics and its Applications 2017*; Volum 493. s. 400-409, FFI NMBU

Hoel, Karina Vieira; Kristoffersen, Stein.

Challenges 3D Printing Microwave Components. *Digest - IEEE Antennas and Propagation Society. International Symposium 2017* s. -, FFI

Hoel, Karina Vieira; Kristoffersen, Stein.

Characterization of Variable Density 3D Printed Materials for Broadband GRIN Lenses. *Digest - IEEE Antennas and Propagation Society. International Symposium 2017*, FFI

Hovland, Harald.

Statistics-based filtering for low signal-to-noise ratios, applied to rocket plume imaging. *Proceedings of SPIE, the International Society for Optical Engineering 2017*; Volum 10200. s. -, FFI

Kamrani, Farzad; Luotsinen, Linus; Løvlid, Rikke Amilde.

Learning Objective Agent Behavior using a Data-driven Modeling Approach. *Conference Proceedings / IEEE International Conference on Systems, Man and Cybernetics 2017* s. 2175-2181, FFI

Korsnes, Monica Suarez; Korsnes, Reinert.

Mitotic Catastrophe in BC3H1 Cells following Yessotoxin Exposure. *Frontiers in Cell and Developmental Biology 2017*; Volum 5. s. -, FFI NIBIO NOFIMA NMBU

Luotsinen, Linus; Kamrani, Farzad; Hammar, Peter; Jandel, Magnus; Løvlid, Rikke Amilde.

Evolved Creative Intelligence for Computer Generated Forces. *Conference Proceedings / IEEE International Conference on Systems, Man and Cybernetics 2017* s. 3063-3070, FFI

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Modeling the behavior of a hierarchy of command agents with context-based reasoning. *The Journal of Defence Modeling and Simulation: Applications, Methodology, Technology* 2017 s. -, FFI

Olsen, Karl Erik; Kuschel, Heiner.
From the editors of the special issue: Passive and multi-static radar for civil applications. *IEEE Aerospace and Electronic Systems Magazine* 2017; Volum 32.(2) s. 3-3, FFI

Rønjom, Sondre; Bardeh, Navid Ghaedi; Helleseth, Tor.
Yoyo tricks with AES. *Lecture Notes in Computer Science* 2017; Volum 10624 LNCS. s. 217-243, FFI UiB

Rytír, Martin; Cheffena, Michael; Grotthing, Per Arne; Bråten, Lars Erling; Tjelta, Terje.
Three-Site Diversity at Ka-Band Satellite Links in Norway: Gain, Fade Duration and the Impact of Switching Schemes. *IEEE Transactions on Antennas and Propagation* 2017; Volum 65.(11) s. 5992-6001, FFI NTNU

Stolpe, Audun; Halvorsen, Jonas.
Distributed query processing in the presence of blank nodes. *Semantic Web Journal* 2017; Volum 8.(6) s. 1001-1021, FFI UiO

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Modeling Behavior of Computer Generated Forces with Machine Learning Techniques, the NATO task group approach. *Conference Proceedings / IEEE International Conference on Systems, Man and Cybernetics* 2017 s. 1906-1911, FFI

Åsen, Walther; Olsen, Karl Erik.
Bridging the Gap Between Civilian and Military Passive Radar. *IEEE Aerospace and Electronic Systems Magazine* 2017; Volum 32.(2) s. 4-12, FFI

3.3 Avdeling Landsystemer

3.3.1 Nivå 2

Rahbek, Dennis Bo; Simons, Jeffrey W.; Johnsen, Bernt Brønmo; Kobayashi, Takao; Shockey, Donald A..
Effect of composite covering on ballistic fracture damage development in ceramic plates. *International Journal of Impact Engineering* 2017; Volum 99. s. 58-68, FFI

3.3.2 Nivå 1

Castellani, John W.; Spitz, Marissa G; Karis, Anthony J.; Martini, Svein; Young, Andrew J; Margolis, Lee M; Karl, J Philip; Murphy, Nancy E; Xu, Xiaojiang; Montain, Scott J; Bohn, Jamie A; Teien, Hilde Kristin; Stenberg, Pål H.; Gundersen, Yngvar; Pasiakos, Stefan M.

Cardiovascular and thermal strain during 3–4 days of a metabolically demanding cold-weather military operation. *Extreme Physiology and Medicine* 2017; Volum 6.(2), FFI

Due-Hansen, Maria Elisabeth; Dullum, Ove.

Review and analysis of the explosion accident in Drevja, Norway: A consequence of fire in a mobile explosives manufacturing unit (MEMU) carrying precursors for the on-site production of bulk explosives. *Safety Science* 2017; Volum 96. s. 33-40, FFI

Engebråten, Sondre; Moen, Hans Jonas Fossum; Glette, Kyrre.

Meta-heuristics for improved RF emitter localization. *Lecture Notes in Computer Science* 2017; Volum 10200 LNCS.(Part II) s. 207-223, FFI UiO

Gakkestad, Jakob; Sollund, Tomas; Dalsjø, Per G.; Tveit, Bjørn; Taklo, Maaïke Margrete Visser; Wright, Daniel Nilsen; Helland, Susanne; Kristiansen, Helge; Johnsen, Christian.

A 2.5-D Integrated Data Logger for Measuring Extreme Accelerations. *IEEE Transactions on Components, Packaging, and Manufacturing Technology* 2017; Volum 7.(12) s. 1930-1939, FFI SINTEF

Heinrich, Daniela; Selj, Gorm Krogh.

Evaluation of camouflage pattern performance of textiles by human observers and CAMAELEON. *Proceedings of SPIE, the International Society for Optical Engineering* 2017; Volum 10432., FFI

Jensen, Tomas Lunde; Unneberg, Erik; Kristensen, Tor Erik.

Smokeless GAP-RDX Composite Rocket Propellants Containing Diaminodinitroethylene (FOX-7). *Propellants, explosives, pyrotechnics* 2017; Volum 42.(4) s. 381-385, FFI

Karl, J Philip; Margolis, Lee M; Madslien, Elisabeth Henie; Murphy, Nancy E; Castellani, John W.; Gundersen, Yngvar; Hoke, Allison V; Levangie, Michael W; Kumar, Raina; Chakraborty, Nabarun; Gautam, Aarti; Hammamieh, Rasha; Martini, Svein; Montain, Scott J; Pasiakos, Stefan M.

Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiologic stress. *American Journal of Physiology - Gastrointestinal and Liver Physiology* 2017; Volum 312.(6) s. G559-G571, FFI

Karl, J Philip; Margolis, Lee M.; Murphy, Nancy E.; Carrigan, Christopher T; Castellani, John W.; Madslie, Elisabeth Henie; Teien, Hilde Kristin; Martini, Svein; Montain, Scott J.; Pasiakos, Stefan M.

Military training elicits marked increases in plasma metabolomic signatures of energy metabolism, lipolysis, fatty acid oxidation, and ketogenesis. *Physiological Reports* 2017; Volum 5.(17), FFI

Morrison, Aiden; Sokolova, Nadezda; Haavardsholm, Trym Vegard; Hagen, Ove Kent; Opsahl, Thomas Olsvik; Ånonsen, Kjetil Bergh; Eriksen, Erik Holthe.

Collaborative indoor navigation for emergency services personnel. *IEEE Aerospace Conference. Proceedings* 2017; Volum 2017-June. s. -, FFI SINTEF

Moxnes, John Fredrik.

The crystal density of nitrogen cubane and other polynitrogen species. *Journal of Molecular Modeling* 2017; Volum 23.(10), FFI

Moxnes, John Fredrik; Frøyland, Øyvind; Breivik, Tallak Harald.

A computational study of ANTA and NTO derivatives. *Journal of Molecular Modeling* 2017; Volum 23.(8), FFI

Moxnes, John Fredrik; Frøyland, Øyvind; Øye, Ivar Jarle; Brate, Tom I.; Friis, Eva; Ødegårdstuen, Gard; Risdal, Tallak Harald.

Projected area and drag coefficient of high velocity irregular fragments that rotate or tumble. *Defence Technology* 2017; Volum 13.(4) s. 269-280, FFI

Moxnes, John Fredrik; Hansen, Finn Knut; Jensen, Tomas Lunde; Sele, Marta Lill; Unneberg, Erik.

A Computational Study of Density of Some High Energy Molecules. *Propellants, explosives, pyrotechnics* 2017; Volum 42.(2) s. 204-212, FFI UiO

Moxnes, John Fredrik; Sandbakk, Øyvind.

Mathematical modelling of the oxygen uptake kinetics during whole-body endurance exercise and recovery. *Mathematical and Computer Modelling of Dynamical Systems* 2017; Volum 24.(1) s. 76-86, FFI NTNU

Shimoni, Michal; Idrissa, Mahamadou; Borghys, Dirk; Haavardsholm, Trym Vegard; Opsahl, Thomas Olsvik; Perneel, Christiaan.

Urban features classification using 3D hyperspectral data. *Workshop on Hyperspectral Image and Signal Processing, Evolution in Remote Sensing* 2017; Volum 2013-June. s. 1-4, FFI

3.4 Avdeling Maritime systemer

3.4.1 Nivå 2

Harris, Catriona; Thomas, Len; Falcone, Erin; Hildebrand, Jon; Houser, Dorian; Kvadsheim, Petter Helgevold; Lam, Frans-Peter A.; Miller, Patrick James O'Malley; Moretti, David; Read, Andrew; Slabbekoorn, Hans; Southall, Brandon L.; Tyack, Peter Lloyd; Wartzok, D.; Janik, V. M..

Marine mammals and sonar: dose-response studies, the risk-disturbance hypothesis and the role of exposure context. *Journal of Applied Ecology* 2017 , FFI

Tollefsen, Dag; Getstoft, Peter; Hodgkiss, William S..

Multiple-array passive acoustic source localization in shallow water. *Journal of the Acoustical Society of America* 2017; Volum 141.(3) s. 1501-1513, FFI

Wensveen, Paul J.; Kvadsheim, Petter Helgevold; Lam, Frans-Peter A.; vonBenda-Beckmann, Sander; Sivle, Lise Doksæter; Visser, Fleur; Curé, Charlotte; Tyack, Peter L.; Miller, Patrick James O'Malley.

Lack of behavioural responses of humpback whales (*Megaptera novaeangliae*) indicate limited effectiveness of sonar mitigation. *Journal of Experimental Biology* 2017; Volum 220.(22) s. 4150-4161, FFI HAVFORSK

3.4.2 Nivå 1

Buskenes, Jo Inge; Hansen, Roy Edgar; Austeng, Andreas.

Low-Complexity Adaptive Sonar Imaging. *IEEE Journal of Oceanic Engineering* 2017; Volum 42.(1) s. 87-96, FFI UiO

Dol, Henry; Casari, Paolo; Van Der Zwan, Timo; Otnes, Roald.

Software-Defined Underwater Acoustic Modems: Historical Review and the NILUS Approach. *IEEE Journal of Oceanic Engineering* 2017; Volum 42.(3) s. 722-737

Kvadsheim, Petter Helgevold; DeRuiter, Stacy; Sivle, Lise Doksæter; Goldbogen, Jeremy; Hansen, Rune Roland; Miller, Patrick J.O.; Lam, Frans-Peter A.; Calambokidis, John; Friedlaender, Ari; Visser, Fleur; Tyack, Peter L.; Kleivane, Lars; Southall, Brandon.

Avoidance responses of minke whales to 1-4 kHz naval sonar. *Marine Pollution Bulletin* 2017 ;Volum 121.(1-2) s. 60-68, FFI HAVFORSK UiO

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Collaborative indoor navigation for emergency services personnel. *IEEE Aerospace Conference. Proceedings* 2017 ;Volum 2017-June. s. -, FFI SINTEF

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4.2.1 Nivå 1

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4.3 Avdeling Landsystemer

Avdeling Landsystemer har ingen publikasjoner hverken i vitenskapelige bok, del av bok eller rapport på nivå 1 eller nivå 2.

4.4 Avdeling Maritime systemer

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4.6 Avdeling Beskyttelse og samfunnssikkerhet

4.6.1 Nivå 1

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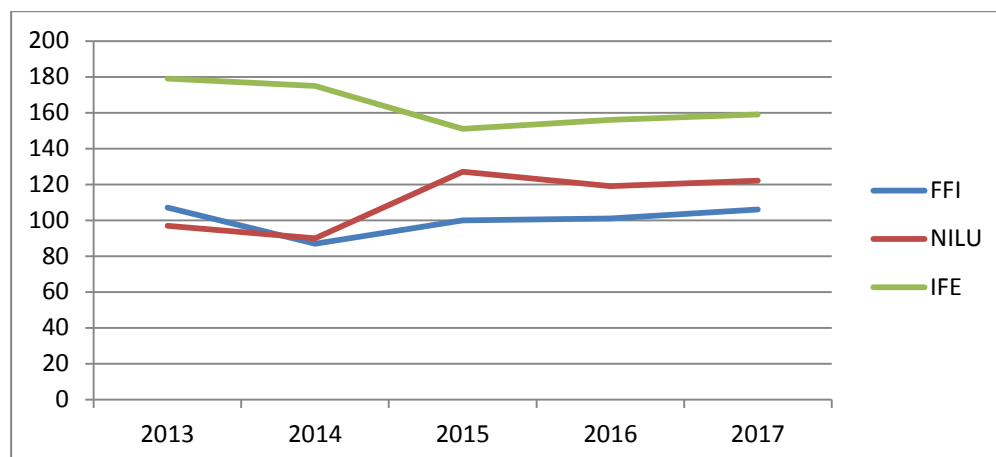
5 Siteringer

5.1 Sammenliknende statistikk siteringer siste fem år

Oversikt over antall publiserte artikler og siteringer de siste fem årene for FFI og naboinstituttene på Kjeller; Norsk institutt for luftforskning (NILU) og Institutt for energiteknikk (IFE). Oversiktene er tatt per 25. april 2017:

	Antall publikasjoner per år				
	2013	2014	2015	2016	2017
FFI	107	87	100	101	106
NILU	97	90	127	119	122
IFE	179	175	151	156	159

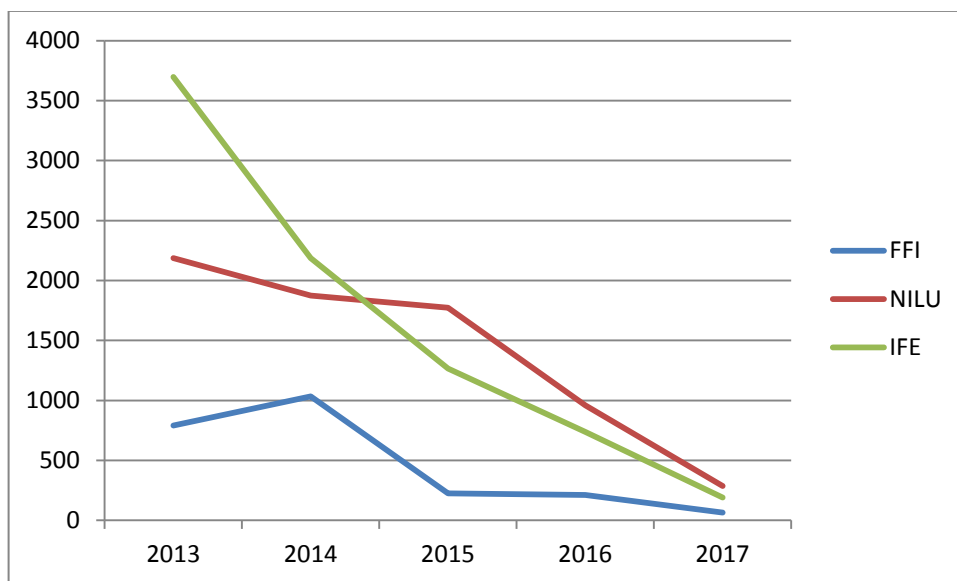
Tabell 5.1 Oversikt over publikasjoner etter år FFI, NILU og IFE.



Figur 5.1 Graf over antall publikasjoner etter år sammenliknet FFI, NILU og IFE.

	Antall siteringer per år				
	2013	2014	2015	2016	2017
FFI	791	1034	224	211	65
NILU	2186	1873	1773	959	285
IFE	3697	2187	1267	736	191

Tabell 5.2 Oversikt over antall siteringer etter år for FFI, NILU og IFE.



Figur 5.2 Graf som viser siteringer etter år for FFI, NILU og IFE.

5.2 Oversikt over FFIs ti mest siterte artikler de siste fem årene

		2014	2015	2016	2017	2018	Total	Average Citations per Year
		0	1	0	27	36	64	16.00
1.	<p>Title: Changes in intestinal microbiota composition and metabolism coincide with increased intestinal permeability in young adults under prolonged physiological stress</p> <p>By: Karl, J. Philip; Margolis, Lee M.; Madslie, Elisabeth H.; et al.</p> <p>Source: AMERICAN JOURNAL OF PHYSIOLOGY-GASTROINTESTINAL AND LIVER PHYSIOLOGY Volume: 312 Issue: 6 Pages: G559-G571 Published: JUN 2017</p>	0	0	0	6	5	11	5.50
2.	<p>Title: Numerical study of spatiotemporal distortions in noncollinear optical parametric chirped-pulse amplifiers</p> <p>By: Giree, Achut; Mero, Mark; Arisholm, Gunnar; et al.</p> <p>Source: OPTICS EXPRESS Volume: 25 Issue: 4 Pages: 3104-3121 Published: FEB 20 2017</p>	0	0	0	4	3	7	3.50
3.	<p>Title: Efficient High-Power Ultrashort Pulse Compression in Self-Defocusing Bulk Media</p> <p>By: Seidel, Marcus; Brons, Jonathan; Arisholm, Gunnar; et al.</p> <p>Source: SCIENTIFIC REPORTS Volume: 7 Article Number: 1410 Published: MAY 3 2017</p>	0	0	0	2	4	6	3.00
4.	<p>Title: Software-Defined Underwater Acoustic Modems: Historical Review and the NILUS Approach</p> <p>By: Dol, Henry S.; Casari, Paolo; van der Zwan, Timo; et al.</p> <p>Source: IEEE JOURNAL OF OCEANIC ENGINEERING Volume: 42 Issue: 3 Pages: 722-737 Published: JUL 2017</p>	0	0	0	1	2	3	1.50

		2014	2015	2016	2017	2018	Total	Average Citations per Year
		0	1	0	27	36	64	16.00
5.	<p>Title: CEP-stable few-cycle pulses with more than 190 μJ of energy at 100 kHz from a noncollinear optical parametric amplifier</p> <p>By: Furch, Federico J.; Witting, Tobias; Giree, Achut; et al.</p> <p>Source: OPTICS LETTERS Volume: 42 Issue: 13 Pages: 2495-2498 Published: JUL 1 2017</p>	0	0	0	0	3	3	1.50
6.	<p>Title: Distribution and mobility of lead (Pb), copper (Cu), zinc (Zn), and antimony (Sb) from ammunition residues on shooting ranges for small arms located on mires</p> <p>By: Mariussen, Espen; Johnsen, Ida Vaa; Stromseng, Arnljot Einride</p> <p>Source: ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH Volume: 24 Issue: 11 Pages: 10182-10196 Published: APR 2017</p>	0	0	0	1	2	3	1.50
7.	<p>Title: Multiple-array passive acoustic source localization in shallow water</p> <p>By: Tollefsen, Dag; Gerstoft, Peter; Hodgkiss, William S.</p> <p>Source: JOURNAL OF THE ACOUSTICAL SOCIETY OF AMERICA Volume: 141 Issue: 3 Pages: 1501-1513 Published: MAR 2017</p>	0	0	0	1	2	3	1.50
8.	<p>Title: Large-eddy simulation of dense gas dispersion over a simplified urban area</p> <p>By: Wingstedt, E. M. M.; Osnes, A. N.; Akervik, E.; et al.</p> <p>Source: ATMOSPHERIC ENVIRONMENT Volume: 152 Pages: 605-616 Published: MAR 2017</p>	0	0	0	3	0	3	1.50

		2014	2015	2016	2017	2018	Total	Average Citations per Year
		0	1	0	27	36	64	16.00
9.	Title: Accumulation of lead (Pb) in brown trout (Salmo trutta) from a lake downstream a former shooting range By: Mariussen, Espen; Heier, Lene Sorlie; Teien, Hans Christian; et al. Source: ECOTOXICOLOGY AND ENVIRONMENTAL SAFETY Volume: 135 Pages: 327-336 Published: JAN 2017	0	0	0	1	2	3	1.50
10.	Title: Convex Variational Methods on Graphs for Multiclass Segmentation of High-Dimensional Data and Point Clouds By: Bae, Egil; Merkurjev, Ekaterina Source: JOURNAL OF MATHEMATICAL IMAGING AND VISION Volume: 58 Issue: 3 Pages: 468-493 Published: JUL 2017	0	0	0	1	1	2	1.00

Tabell 5.3 Liste som viser de mest siterte publikasjonene med forfattere fra FFI.

Liste over hvilke forfattere fra FFI som har bidratt på de mest siterte artiklene:

1. Alf Christian Hennum
2. Gunnar Arisholm
3. Dan Weydahl
4. Thomas Hegghammer
5. Paul A. van Walree
6. Torbjørn Skauli
7. A. L. Borg
8. Helge Fonnum, Espen Lippert, Magnus W. Haakestad
9. Magnus W. Haakestad
10. Petter H. Kvadsheim

About FFI

The Norwegian Defence Research Establishment (FFI) was founded 11th of April 1946. It is organised as an administrative agency subordinate to the Ministry of Defence.

FFI's MISSION

FFI is the prime institution responsible for defence related research in Norway. Its principal mission is to carry out research and development to meet the requirements of the Armed Forces. FFI has the role of chief adviser to the political and military leadership. In particular, the institute shall focus on aspects of the development in science and technology that can influence our security policy or defence planning.

FFI's VISION

FFI turns knowledge and ideas into an efficient defence.

FFI's CHARACTERISTICS

Creative, daring, broad-minded and responsible.

Om FFI

Forsvarets forskningsinstitutt ble etablert 11. april 1946. Instituttet er organisert som et forvaltningsorgan med særskilte fullmakter underlagt Forsvarsdepartementet.

FFIs FORMÅL

Forsvarets forskningsinstitutt er Forsvarets sentrale forskningsinstitusjon og har som formål å drive forskning og utvikling for Forsvarets behov. Videre er FFI rådgiver overfor Forsvarets strategiske ledelse. Spesielt skal instituttet følge opp trekk ved vitenskapelig og militærteknisk utvikling som kan påvirke forutsetningene for sikkerhetspolitikken eller forsvarsplanleggingen.

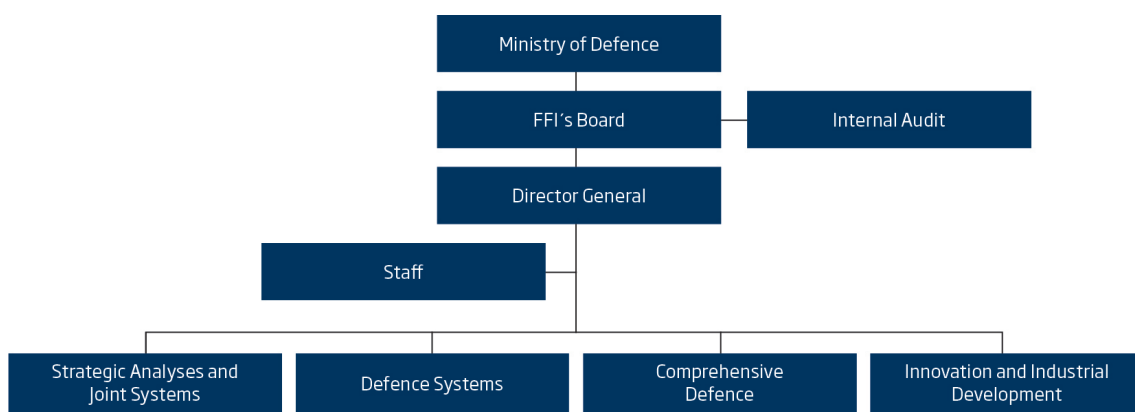
FFIs VISJON

FFI gjør kunnskap og ideer til et effektivt forsvar.

FFIs VERDIER

Skapende, drivende, vidsynt og ansvarlig.

FFI's organisation



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