



FFI-RAPPORT

17/01468

Oversikt over FFIs publisering i fagtidsskrifter 2016

—
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Bjørg Uhlen
Synnøve Eifring

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Sammendrag

Rapporten gir en oversikt over FFI-forskernes publisering i fagtidsskrifter med fagfelleevaluering i 2016. 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 2015 til 2016. Andel publiseringer i tidsskrifter på høyeste faglig nivå er sunket og 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 2016. The overview is retrieved from the Norwegian publications database Current Research Information System in Norway (CRIStin), 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 Publications when possible. The number has increased from 2015 to 2016. The percentage of publications on level 2 has decreased and is 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 2016. 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 høyskole (UH)-sektoren. CRISTin blir driftet av Universitetet i Oslo.

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 2016 ble data hentet ut fra CRISTin 4. januar 2017 og det ble rapportert 86 FFI-publiseringer totalt i fagtidsskrifter med fagfelle vurdering. Dataene i denne rapporten er tatt ut 29. mars 2017 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.

2.1 Statistisk oversikt tidsskriftartikler fordelt på nivå 1 og nivå 2

<i>Fagtidsskrifter med fagfelle vurdering</i>	<i>2012</i>	<i>2013</i>	<i>2014</i>	<i>2015</i>	<i>2016</i>
<i>Nivå 1-tidsskrifter</i>	45	64	56	64	76
<i>Nivå 2-tidsskrifter</i>	23	30	15	14	11
<i>Sum antall publiseringer</i>	70	94	71	78	87
<i>Andel på nivå 2 (%)</i>	35,7	31,9	21,1	17,9	12,6

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 samfunns-sikkerhet</i>	<i>Staben</i>
<i>Nivå 1</i>	14	13	10	16	10	12	1
<i>Nivå 2</i>	1	1	1	3	2	3	0
<i>Sum</i>	15	14	11	19	12	15	1
<i>Andel nivå 2 (%)</i>	6,7	7,7	9,1	15,8	16,7	20	0

Publiseringer per avdeling 2016

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>Nivå 1 bok/rapport/kapittel</i>	13	27	11
<i>Nivå 2 bok/rapport/kapittel</i>	2	7	1
<i>Sum</i>	15	34	12
<i>Andel på nivå 2 (%)</i>	13,3	20,6	8,3

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 samfunns-sikkerhet</i>
<i>Nivå 1</i>	2	6	0	0	2	1
<i>Nivå 2</i>	1	0	0	0	0	0
<i>Sum</i>	3	6	0	0	2	1
<i>Andel nivå 2 (%)</i>	33,3	0	0	0	0	0

Publiseringer per avdeling 2016

3 Oversikt 2016

3.1 Avdeling Analyse

3.1.1 Nivå 2

Hanson, Torbjørn.

Efficiency and productivity in the operational units of the armed forces: A Norwegian example. *International Journal of Production Economics* 2016; Volum 179. s.12-23, FFI

3.1.2 Nivå 1

Bukkvoll, Tor.

Russian Special Operations Forces in Crimea and Donbas. *Parameters* 2016; Volum 46.(2) s.13-21, FFI

Bukkvoll, Tor.

Why Putin went to war: ideology, interests and decision-making in the Russian use of force in Crimea and Donbas. *Contemporary Politics* 2016; Volum 22.(3) s.267-282, FFI

Connolly, Richard; Sendstad, Cecilie.

Russian Rearmament: An Assessment of Defense-Industrial Performance. *Problems of Post-Communism* 2016, FFI

Fauske, Maria Fleischer; Hoff, Erlend Øby.

From F-16 to F-35 - Optimizing the Training of Pilots in the Royal Norwegian Air Force. *Interfaces* 2016; Volum 46.(4) s.326-333, FFI

Gråtrud, Henrik.

Islamic State Nasheeds As Messaging Tools. *Studies in Conflict and Terrorism* 2016; Volum 39.(12) s.1050-1070, FFI

Hove, Kjetil; Lillekvelland, Tobias.

Investment cost escalation – an overview of the literature and revised estimates. *Defence and Peace Economics* 2016; Volum 27.(2) s.208-230, FFI

Hove, Kjetil; Åmot, Elisabeth.

Særalderspensjon i et nytt pensjonssystem. *Praktisk økonomi og finans* 2016; Volum 32.(2) s.186-199, FFI

Nesser, Petter; Lia, Brynjar.

Jihadism in Norway: a Typology of Militant Networks in a Peripheral European Country. *Perspectives on Terrorism* 2016; Volum 10.(6) s.121-134, FFI UiO

Nesser, Petter; Stenersen, Anne; Oftedal, Emilie.

Jihadi Terrorism in Europe: The IS-Effect. *Perspectives on Terrorism* 2016, FFI

Ravndal, Jakob Aasland.

Right-Wing Terrorism and Violence in Western Europe: Introducing the RTV Datase. *Perspectives on Terrorism* 2016; Volum 10.(3) s.2-15, FFI

Stenersen, Anne.

Jihadistenes program i Europa. *Internasjonal Politikk* 201 ; Volum 74.(4) s.1-9, FFI

Watne, Leiv Otto; Idland, Ane-Victoria; Fekkes, Durk; Ræder, Johan; Frihagen, Frede Jon; Ranhoff, Anette Hylene; Chaudhry, Farrukh; Abbas; Engedal, Knut; Wyller, Torgeir Bruun; Hassel, Bjørnar.

Increased CSF levels of aromatic amino acids in hip fracture patients with delirium suggests higher monoaminergic activity. *BMC Geriatrics* 2016; Volum 16.(1), DIAKON FFI OUS SIV UiB UiO

Åtland, Kristian.

Myndighetsutøver, ressursforvalter og livredder – den russiske kystvakten i støpeskjeen. *Nordisk Østforum* 2016; Volum 30.(1) s.38-54, FFI

Åtland, Kristian.

North European security after the Ukraine conflict. *Defense and Security Analysis* 2016; Volum 32.(2) s.163-176, FFI

3.2 Avdeling Cybersystemer og elektronisk krigføring

3.2.1 Nivå 2

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

Agile requirements handling in a service-oriented taxonomy of capabilities. *Requirements Engineering* 2016 s.1-26, FFI

3.2.2 Nivå 1

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

Uniformly stable wavelets on nonuniform triangulations. *Mathematics and Computers in Simulation* 2016, FFI UiO

Engelstad, Paal E.; Hammer, Hugo Lewi; Kongsgård, Kyrre Wahl; Yazidi, Anis; Nordbotten, Nils Agne; Bai, Aleksander.

Automatic security classification with Lasso. *Lecture Notes in Computer Science* 2016; Volum 9503. s.399-410, FFI HIOA

Fauskanger, Stian; Semaev, Igor A..

Statistical and Algebraic Properties of DES. *Lecture Notes in Computer Science* 2016; Volum 9589. s.93-107, FFI UiB

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* 2016, FFI

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

Learning Objective Agent Behavior using a Data-driven Modeling Approach. *Conference Proceedings / IEEE International Conference on Systems, Man and Cybernetics* 2016 s.2175-2181, FFI

Korsnes, Monica Suarez; Kolstad, Hilde Raanaas; Kleiveland, Charlotte Ramstad; Korsnes, Reinert; Ørmen, Elin.

Autophagic activity in BC3H1 cells exposed to yessotoxin. *Toxicology in Vitro* 2016 ;Volum 32. s.166-180, FFI NIBIO NMBU

Korsnes, Reinert; Westrum, Karin; Fløistad, Erling; Klingen, Ingeborg.

Computer-assisted image processing to detect spores from the fungus Pandora neoaphidis. *MethodsX* 2016; Volum 3. s.231-241, FFI NIBIO

Kwei-Narh, Prosper Ameh; Valaker, Sigmund; Hærem, Thorvald; Lervik, Jon Erland.

Monitoring and team performance: The mediating role of Task mental model accuracy. *Academy of Management. Annual Meeting Proceedings* 2016; Volum 1, BI FFI

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

Evolved Creative Intelligence for Computer Generated Forces. *Conference Proceedings / IEEE International Conference on Systems, Man and Cybernetics* 2016 s.3063-3070, FFI

Stolpe, Audun; Halvorsen, Jonas.

Distributed query processing in the presence of blank nodes. *Semantic Web* 2016, FFI

Toubman, Armond; Roessingh, Jan Joris; van Oijen, Joost; Hou, Ming; Harris, Jack; Luotsinen, Linus; Løvliid, Rikke Amilde; Mayer, Christopher; Rijken, Roel; Turcanik, Michal.

Modeling Behavior of Computer Generated Forces with Machine Learning Techniques, the NATO task group approach. *Conference Proceeding s/ IEEE International Conference on Systems, Man and Cybernetics* 2016 s.1906-1911, FFI

Valaker, Sigmund; Hærem, Thorvald; Bakken, Bjørn T..

Communication Media and Team Performance; The Mediating Role of Team Situation Awareness. *Academy of Management. Annual Meeting Proceedings* 2016, BI FFI HIHM

Valaker, Sigmund; Yanakiev, Yantsislav; Lofquist, Eric; Kost, Dominique.

The Influence of Predeployment Training on Coordination in Multinational Headquarters: The Moderating Role of Organizational Obstacles to Information Sharing.. *Military Psychology* 2016; Volum 28.(6) s.390-405, BI FFI

3.3 Avdeling Landsystemer

3.3.1 Nivå 2

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

Effects of Supplemental Energy on Protein Balance during 4-d Arctic Military Training. *Medicine & Science in Sports & Exercise* 2016; Volum 48.(8) s.1604-1612, FFI

3.3.2 Nivå 1

Jensen, Tomas Lunde; Moxnes, John Fredrik; Kjønstad, Eirik Fadum; Unneberg, Erik.

A Study of the Detonation Properties, Propellant Impulses, Impact Sensitivities and Synthesis of Nitrated ANTA and NTO Derivatives. *Central European Journal of Energetic Materials* 2016; Volum 13.(2) s.445-467, FFI

Kjønstad, Eirik; Moxnes, John Fredrik; Jensen, Tomas Lunde; Unneberg, Erik.

A Critical Investigation of Proposed Electrostatic Corrections to Quantum Mechanical Volumes: The Importance of Variation and the Irrelevance of Imbalance. *Molecular Physics* 2016; Volum 114.(11) s.1822-1830, FFI

Kjønstad, Eirik; Moxnes, John Fredrik; Jensen, Tomas Lunde; Unneberg, Erik.

All Molecular Surfaces are Equal: Demanding Invariance of Predictions in Linear Single-Variable Models. *Molecular Physics* 2016; Volum 114.(10) s.1559-1567, FFI

LeVeque, Randall J.; Waagan, Knut; González, Frank I.; Rim, Donsub; Lin, Guang.

Generating Random Earthquake Events for Probabilistic Tsunami Hazard Assessment. *Pure and Applied Geophysics* 2016; Volum 173.(12) s.3671-3692, 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* 2016, FFI UiO

Pasiakos, Stefan M; Margolis, Lee M; Murphy, Nancy E; McClung, Holy L; Martini, Svein; Gundersen, Yngvar; Castellani, John W.; Karl, James P.; Teien, Hilde Kristin; Madslie, Elisabeth Henie; Stenberg, Pål H.; Young, Andrew J.; Montain, Scott J; McClung, James P.

Effects of exercise mode, energy, and macronutrient interventions on inflammation during military training. *Physiological Reports* 2016; Volum 4.(11), FFI

Sainudeen Nazer, Nazia; Yartys, Volodymyr; Azib, Tahar; Latroche, Michel; Cuevas, Fermin; Forseth, Sissel; Vie, Preben Joakim Svela; Denys, Roman Volodymyrovich; Sørby, Magnus Helgerud; Hauback, Bjørn; Arnberg, Lars; Henry, Paul F..

In operando neutron diffraction study of a commercial graphite/(Ni, Mn, Co) oxide-based multi-component lithium ion battery. *Journal of Power Sources* 2016; Volum 326. s.93-103, FFI IFE NTNU

Selj, Gorm Krogh; Heinrich, Daniela.

Disruptive coloration in woodland camouflage: evaluation of camouflage effectiveness due to minor disruptive patches. *Proceedings of SPIE, the International Society for Optical Engineering* 2016; Volum 9997, FFI

Syre Wiig, Martin; Caharija, Walter; Krogstad, Thomas Røbekk; Pettersen, Kristin Ytterstad.

Integral Line-of-Sight Guidance of Underwater Vehicles Without Neutral Buoyancy. *IFAC-PapersOnLine* 2016; Volum 49.(23) s.590-597, FFI NTNU

van der Voort, M.M.; Holm, Knut B.; Kummer, P.O.; Teland, Jan Arild; van Doormal, J.C.A.M.; Dijkers, H.P.A..

A new standard for predicting lung injury inflicted by Friedlander blast waves. *Journal of Loss Prevention in the Process Industries* 2016; Volum 40. s.396-405, FFI

3.4 Avdeling Maritime systemer

3.4.1 Nivå 2

Olson, Derek R.; Lyons, Anthony P.; Sæbø, Torstein Olsmo.

Measurements of high-frequency acoustic scattering from glacially eroded rock outcrops. *Journal of the Acoustical Society of America* 2016; Volum 139.(4), FFI

Vestgården, Jørn Inge; Galperin, Yuri; Johansen, Tom Henning.

Oscillatory regimes of the thermomagnetic instability in superconducting films. *Physical Review B. Condensed Matter and Materials Physics* 2016; Volum 93.(17), FFI UiO

3.4.2 Nivå 1

Blomberg, Ann Elisabeth Albright; Sæbø, Torstein Olsmo; Hansen, Roy Edgar; Pedersen, Rolf B.; Austeng, Andreas.

Automatic detection of marine gas seeps using an interferometric sidescan sonar. *IEEE Journal of Oceanic Engineering* 2016; Volum PP.(99), FFI UiB UiO

Curé, Charlotte; Isojunno, Saana; Visser, Fleur; Wensveen, Paul J.; Sivle, Lise Doksæter; Kvadsheim, Petter Helgevoll; Lam, Frans-Peter A.; Miller, Patrick J.O..

Biological significance of sperm whale responses to sonar: Comparison with anti-predator responses. *Endangered Species Research* 2016; Volum 31.(1) s.89-102, FFI HAVFORSK

Gade, Kenneth.

The Seven Ways to Find Heading. *Journal of navigation (Print)* 2016; Volum 69.(5) s.955-970, FFI

Gilljam, Martin; Weydahl, Helge; Lian, Torleif; Johannessen, Tom Cato; Holm, Sven Ivar; Hasvold, Jon Øistein.

24 Hour Test of a Fuel Cell System for an Autonomous Underwater Vehicle. *ECS Transactions* 2016; Volum 71. s. 145-154, FFI

Isojunno, Saana; Curé, Charlotte; Kvadsheim, Petter Helgevoll; Lam, Frans-Peter Alexander; Tyack, Peter Lloyd; Wensveen, Paul Jacobus; Miller, Patrick James O'Malley.
Sperm whales reduce foraging effort during exposure to 1-2 kHz z sonar and killer whale sounds. *Ecological Applications* 2016; Volum 26.(1) s.77-93, FFI

Mikheenko, Pavlo; Vestgården, Jørn Inge; Chaudhuri, Saumyadip; Maasilta, Ilari J.; Galperin, Yuri; Johansen, Tom Henning.

Metal frame as local protection of superconducting films from thermomagnetic avalanches. *AIP Advances* 2016; Volum 6:032304, FFI UiO

Nysæter, Asgeir Bjarneson; Iwe, Harald.

Antenna Processing Optimization for a Colocated MIMO Radar. *IEEE Radar Conference. Proceedings* 2016, FFI

Tollefsen, Dag; Dosso, Stan E..

Source Localization With Multiple Hydrophone Arrays via Matched-Field Processing. *IEEE Journal of Oceanic Engineering* 2016, FFI

Visser, Fleur; Curé, Charlotte; Kvadsheim, Petter Helgevoll; Lam, Frans-Peter A.; Tyack, Peter L.; Miller, Patrick J.O..

Disturbance-specific social responses in long-finned pilot whales, *Globicephala melas*. *Scientific Reports* 2016; Volum 6, FFI

Ødegård, Øyvind; Sørensen, Asgeir Johan; Hansen, Roy Edgar; Ludvigsen, Martin.

A new method for underwater archaeological surveying using sensors and unmanned platforms. *Elsevier IFAC Publications / IFAC Proceedings series* 2016; Volum 49.(23) s.486-493, FFI NTNU

3.5 Avdeling Luft- og romsystemer

3.5.1 Nivå 2

Eichhorn, Marc; Schellhorn, Martin; Haakestad, Magnus W.; Fonnum, Helge; Lippert, Espen.

High-pulse-energy mid-infrared fractional-image-rotation-enhancement ZnGeP₂ optical parametric oscillator. *Optics Letters* 2016; Volum 41.(11) s. 2596-2599, FFI

Fattahi, Hanieh; Alismai, Ayman; Wang, Haochuan; Brons, Jonathan; Pronin, Oleg; Buberl, Theresa; Vamos, Lenard; Arisholm, Gunnar; Azzeer, Abdallah M; Krausz, Ferenc.

High-power, 1-ps, all-Yb:YAG thin-disk regenerative amplifier. *Optics Letters* 2016; Volum 41.(6) s.1126-1129, FFI

Holmen, Lars Grønmark; Haakestad, Magnus W..

Optical limiting properties and z-scan measurements of carbon disulfide at 2.05μm wavelength. *Journal of the Optical Society of America. B, Optical physics* 2016; Volum 33.(8) s.1655-1660, FFI

3.5.2 Nivå 1

Akhtar, Jabran; Olsen, Karl Erik.

Formation of Range-Doppler Maps Based on Sparse Reconstruction. *IEEE Sensors Journal* 2016; Volum 16.(15) s.5921-5926, FFI

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A Compressed Sensing Based Design for Formation of Range-Doppler Maps. *IEEE Radar Conference. Proceedings* 2016, FFI

Axelsson, Maria; Friman, Ola; Haavardsholm, Trym Vegard; Renhorn, Ingmar.

Target detection in hyperspectral imagery using forward modeling and in-scene information. *ISPRS journal of photogrammetry and remote sensing (Print)* 2016; Volum 119. s. 124-134, FFI

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

Low-Complexity Adaptive Sonar Imaging. *IEEE Journal of Oceanic Engineering* 2016, FFI UiO

Fattahi, Hanieh; Wang, Haochuan; Alismail, Ayman; Arisholm, Gunnar; Pervak, Vladimir; Azzeer, Abdallah M.; Krausz, Ferenc.

Near-PHz-bandwidth, phase-stable continua generated from a Yb:YAG thin-disk amplifier. *Optics Express* 2016; Volum 24.(21) s. 24337-24346, FFI

Greidanus, Herman; Alvarez, Marlene; Eriksen, Torkild; Gammieri, Vincenzo.

Completeness and Accuracy of a Wide-Area Maritime Situational Picture based on Automatic Ship Reporting Systems. *Journal of navigation (Print)* 2016; Volum 69.(1) s. 156-168, FFI

Hannevik, Tonje Nanette Arnesen; Olsen, Richard Bjarne; Viken, Kjell Ove.

Ship detection using Sentinel-1 in the high north. *ESA SP* 2016 ;Volum SP-740., FFI

Holmen, Lars Grønmark; Haakestad, Magnus W..

Optical limiting properties of carbon disulfide at 2.05m wavelength. *Proceedings of SPIE, the International Society for Optical Engineering* 2016; Volum 9731.
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Santamaria, Carlos; Greidanus, Harm; Fournier, Mélanie; Eriksen, Torkild; Vespe, Michele; Alvarez, Marlene; Arguedas, VirginiaFernandez; Delaney, Conor; Argentieri, Pietro.

Sentinel-1 contribution to monitoring maritime activity in the arctic. *ESA SP* 2016; Volum SP-740, FFI

Seidel, Marcus; Arisholm, Gunnar; Brons, Jonathan; Pervak, Vladimir; Pronin, Oleg.

All solid-state spectral broadening: An average and peak power scalable method for compression of ultrashort pulses. *Optics Express* 2016; Volum 24.(9) s.9412-9428, FFI

Skauen, Andreas Nordmo.

Quantifying the tracking capability of space-based AIS systems. *Advances in Space Research* 2016; Volum 57.(2) s.527-542, FFI

Skauen, Andreas Nordmo; Olsen, Øystein.

Signal environment mapping of the Automatic Identification System frequencies from space. *Advances in Space Research* 2016; Volum 57.(3) s.725-741, FFI

Sørgård, Trygve; van Rheenen, Arthur; Haakestad, Magnus W..

Terahertz imaging of composite materials in reflection and transmission mode with a time-domain spectroscopy system. *Proceedings of SPIE, the International Society for Optical Engineering* 2016; Volum 9747, FFI NTNU

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3.6 Avdeling Beskyttelse og samfunnssikkerhet

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Wilhelmina Aarek; O_Sullivan, Kristin; Granum, Per Einar; Aspholm, Marina.**

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3.6.2 Nivå1

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3.7 Instituttstaben

3.7.1 Nivå 2

3.7.2 Nivå 1

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Protecting civilians: comparing organisational approaches. I: *Protection of Civilians*. Oxford University Press 2016 ISBN 9780198729266. s. 88-108, FFI NUPI UiO

4.1.2 Nivå 1

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4.2 Avdeling Cybersystemer og elektronisk krigføring

4.2.1 Nivå 2

4.2.2 Nivå 1

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Riva, Carlo; Luini, Lorenzo; Nessel, J.; Rytír, Martin.

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4.3 Avdeling Landsystemer

4.3.1 Nivå 2

4.3.2 Nivå 1

4.4 Avdeling Maritime systemer

4.4.1 Nivå 2

4.4.2 Nivå 1

Berg, Henrik; Hjelmervik, Karl Thomas; Stender, Dan Henrik Sekse; Solberg, Tale Solberg.

A comparison of different machine learning algorithms for automatic classification of sonar targets. I: *OCEANS 2016 MTS/IEEE Monterey*. IEEE conference proceedings 2016 ISBN 978-1-5090-1537-5, FFI NTNU

Ludvigsen, Martin; Albrektsen, Sigurd Mørkved; Cisek, Krzysztof; Johansen, Tor Arne; Norgren, Petter; Skjetne, Roger; Zolich, Artur Piotr; Dias, Paulo Sousa; ferreira, sergio; Sousa, Joao Borges; Fossum, Trygve Olav; Sture, Øyvind; Krogstad, Thomas Røbekk; Midtgaard, Øivind; Hovstein, Vegard Evjen; Vågsholm, Erlend.

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4.5 Avdeling Luft- og romsystemer

4.5.1 Nivå 2

4.5.2 Nivå 1

4.6 Avdeling Beskyttelse og samfunnssikkerhet

4.6.1 Nivå 2

4.6.2 Nivå 1

Heimstad, Eldbjørg Sofie; Grønstøl, Gaute; Hetland, Karl Torstein; Alarcon, Javier Martinez; Rylander, Charlotta; Mariussen, Espen.

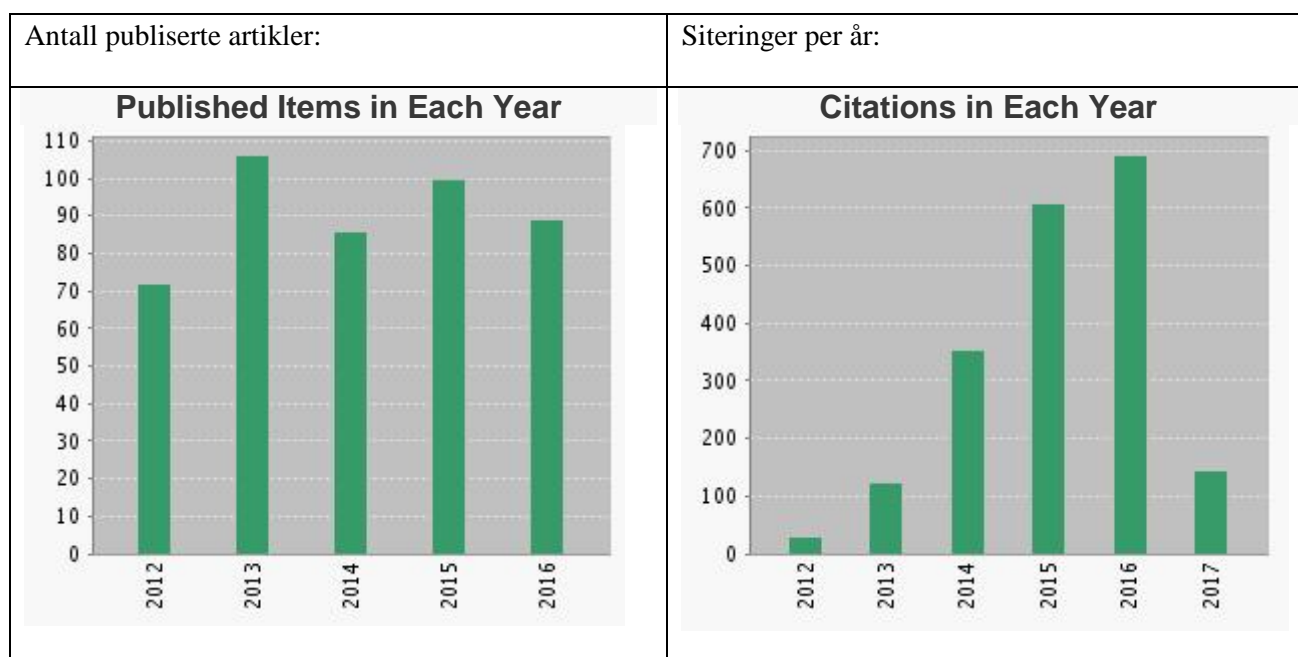
Schools taking part in a research project investigating dioxins in fish. I: *Implications and Consequences of Anthropogenic Pollution in Polar Environments*. Springer Science+Business Media B.V. 2016 ISBN 9783642123146. s. 75-86, FFI NILU UiB UiO UiT

5 Siteringer

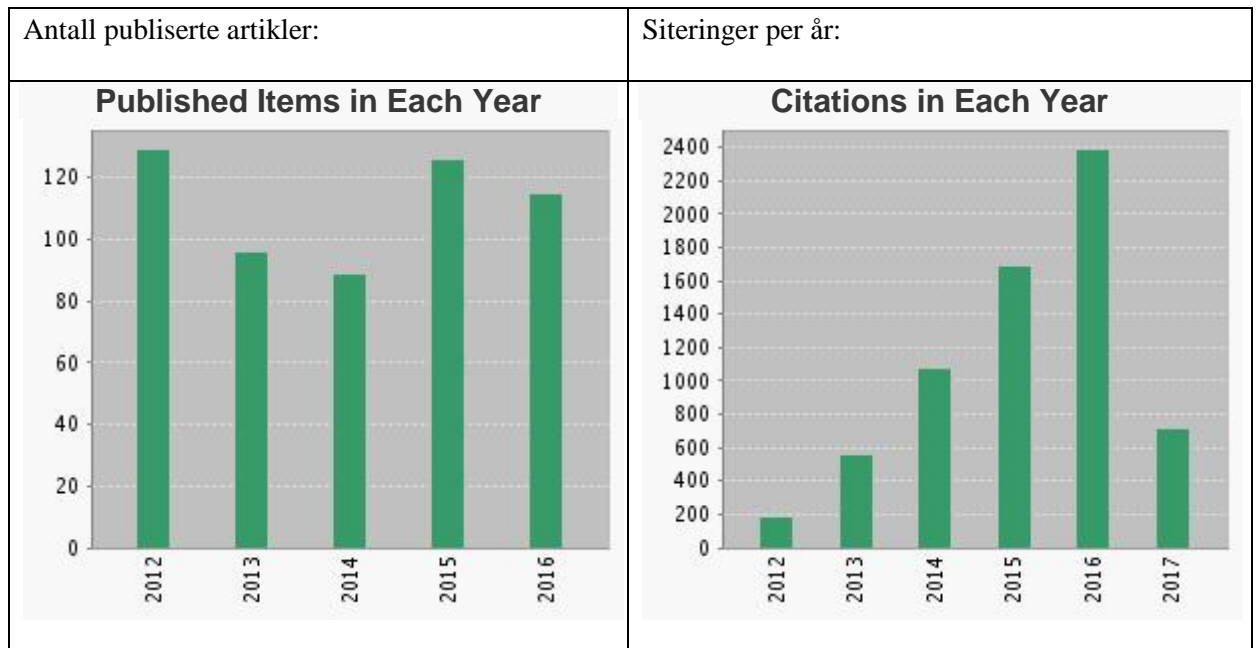
5.1 Sammenliknende statistikk siteringer siste fem år

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:

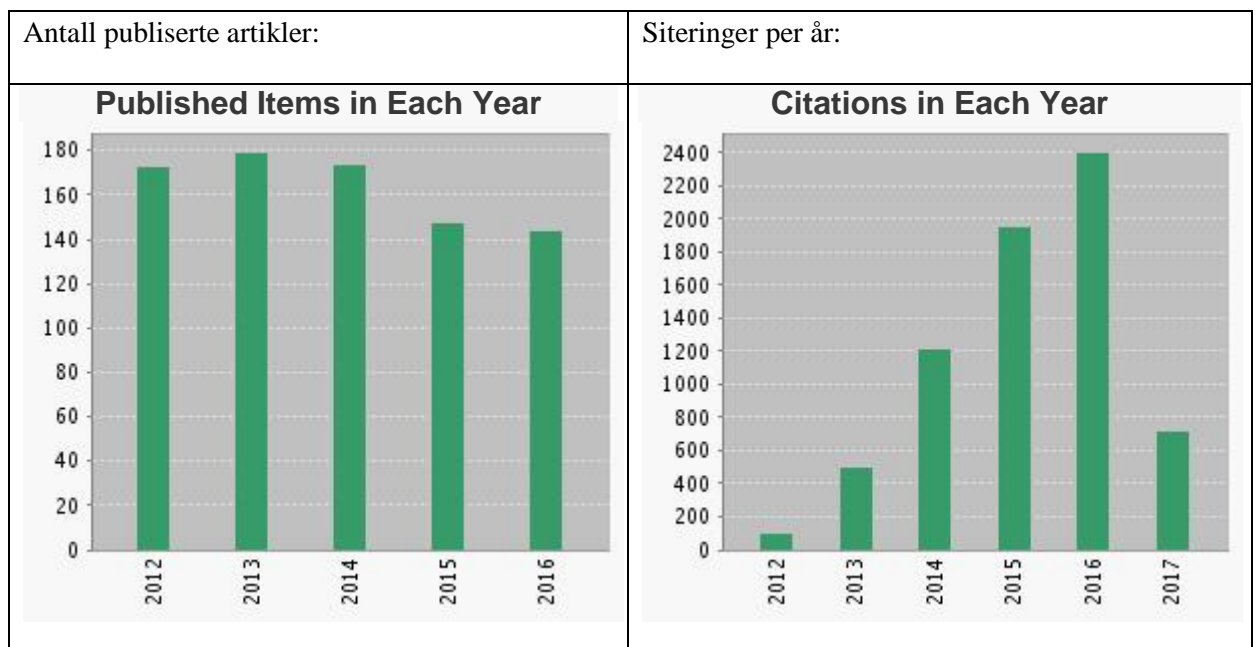
FFI:



NILU:



IFE:



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

		2013	2014	2015	2016	2017	Total	Average Citations per Year
		124	354	609	691	145	1952	325.33
1.	<p>Title: The Dalton quantum chemistry program system</p> <p>By: Aidas, Kestutis; Angeli, Celestino; Bak, Keld L.; et al.</p> <p>Source: WILEY INTERDISCIPLINARY REVIEWS-COMPUTATIONAL MOLECULAR SCIENCE Volume: 4 Issue: 3 Pages: 269-284 Published: MAY 2014</p>	4	70	122	131	34	361	90.25
2.	<p>Title: Third-generation femtosecond technology</p> <p>By: Fattahi, Hanieh; Barros, Helena G.; Gorjan, Martin; et al.</p> <p>Source: OPTICA Volume: 1 Issue: 1 Pages: 45-63 Published: JUL 22 2014</p>	0	7	22	43	8	80	20.00
3.	<p>Title: Neurotoxic effects of perfluoroalkylated compounds: mechanisms of action and environmental relevance</p> <p>By: Mariussen, Espen</p> <p>Source: ARCHIVES OF TOXICOLOGY Volume: 86 Issue: 9 Pages: 1349-1367 Published: SEP 2012</p>	5	12	18	11	7	53	8.83
4.	<p>Title: Monitoring spruce volume and biomass with InSAR data from TanDEM-X</p> <p>By: Solberg, Svein; Astrup, Rasmus; Breidenbach, Johannes; et al.</p> <p>Source: REMOTE SENSING OF ENVIRONMENT Volume: 139 Pages: 60-67 Published: DEC 2013</p>	2	6	16	13	2	39	7.80
5.	<p>Title: Deadly diving? Physiological and behavioural management of decompression stress in diving mammals</p> <p>By: Hooker, S. K.; Fahlman, A.; Moore, M. J.; et al.</p>	12	5	9	5	0	38	6.33

	2013	2014	2015	2016	2017	Total	Average Citations per Year
	124	354	609	691	145	1952	325.33
By: Yu, Zongfu; Sergeant, Nicholas P.; Skauli, Torbjorn; et al. Source: NATURE COMMUNICATIONS Volume: 4 Article Number: 1730 Published: APR 2013							
10. Title: Should I Stay or Should I Go? Explaining Variation in Western Jihadists' Choice between Domestic and Foreign Fighting By: Hegghammer, Thomas Source: AMERICAN POLITICAL SCIENCE REVIEW Volume: 107 Issue: 1 Pages: 1-15 Published: FEB 2013	1	3	11	13	1	29	5.80

FFIs forfattere i oversikten ovenfor:

1. Alf Christian Hennum
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3. Espen Mariussen
4. Dan Weydahl
5. Petter Kvalsheim
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7. Petter Lågstad, Torgeir Svolsbru
8. Bjørnar Hassel
9. Torbjørn Skauli
10. Thomas Hegghammer

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.

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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.

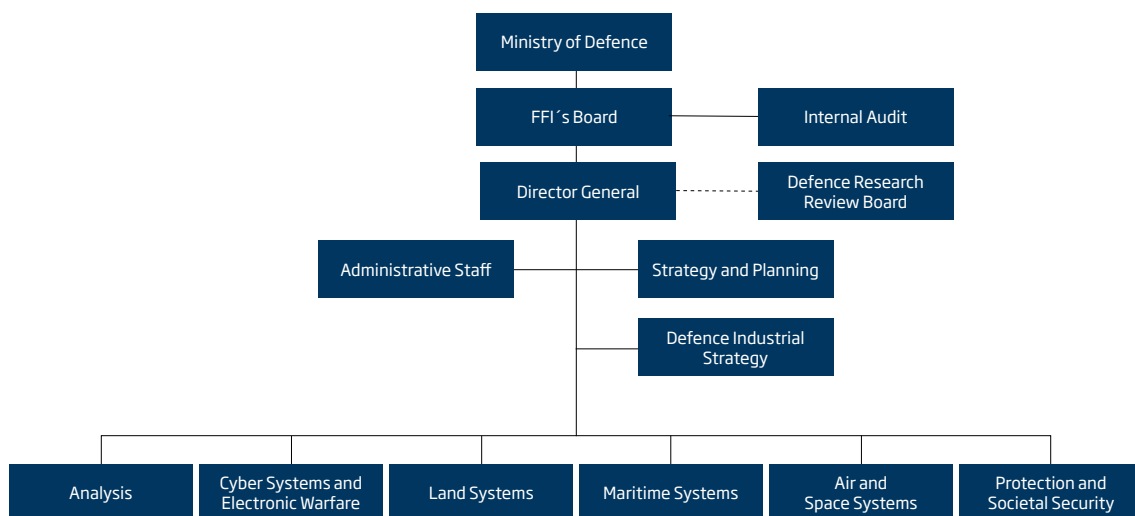
FFIs VISJON

FFI gjør kunnskap og ideer til et effektivt forsvar.

FFIs VERDIER

Skapende, drivende, vidsynt og ansvarlig.

FFI's organisation



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