

SCOTT WATKINS

SCIENTIST, MANAGER, COMMUNICATOR

SNAPSHOT



I am an experienced scientist and manager who has worked in academia, start-ups and government. I am passionate about the development of technology and the communication of science.

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SUMMARY

I am based in both Seoul, Korea and in Melbourne, Australia.

In Seoul I am Chief Marketing Officer with KISCO, a Korean chemicals and inks manufacturer. My role is to help develop new strategies and business areas. I am also continuing to pursue further opportunities contributing to social enterprises and technology startups and am a non-executive director and Chair of both Pollinate Energy and parkrun Australia.

I have a PhD in Chemistry from UNSW and spent four years in the UK working in two start-up companies in the area of Organic Light Emitting Diodes (OLEDs). I spent 10 years with CSIRO, Australia's national science agency, as a research scientist and manager. Most recently, I was the Research Leader for Thin Film Photovoltaics in CSIRO's Manufacturing Flagship, based in Melbourne, Victoria. In this role, I managed the research directions of our team and had responsibility for planning the commercialisation of our work.

I managed projects on both OLEDs and solar cells and I coordinated CSIRO's involvement in a number of national and international consortia aimed at developing applications of flexible electronics by linking industry with research. In my most recent role I managed a research program of over 80 scientists.

I am an experienced manager of both people and projects. I have been successful in developing research and commercial strategies for the teams I manage as well as presenting our results and capabilities to partners. I have managed projects with both government and commercial stakeholders. I am an experienced public speaker and have written extensively for scientific and general audiences across a range of media. In particular, I am experienced with digital and social media tools and with content creation for both video and radio interviews. I have personally planned a number of communication campaigns and have produced videos to promote the work I have been involved with.

EDUCATION

UNIVERSITY OF NEW SOUTH WALES

BSC(HONS FIRST CLASS) CHEMISTRY

1993-1996

UNIVERSITY OF NEW SOUTH WALES

PHD IN CHEMISTRY

1997-2000

E X P E R I E N C E

CHIEF MARKETING OFFICER

Kyung-In Synthetic Corporation (KISCO)

2015 – Present

I am leading the marketing and communications for the company outside of Korea, particularly with regards to the development of new business activities. My key responsibilities are leading our new business and science strategies, marketing our capabilities to other companies, overseeing tradeshow preparations and designing campaigns in conjunction with our partners in countries around the world. I have designed the new website and company profile, including deploying them in 4 different languages. I regularly present on behalf of the company in industry forums.

NON-EXECUTIVE CHAIR OF THE BOARD

parkrun Australia

2016 – Present

I am currently serving as the Chair of the Board of parkrun Australia. My role is to assist with the governance and growth of parkrun's operations in Australia. With over 200 events and over 300,000 registered participants, parkrun Australia is now a significant contributor to the facilitation of health and community events across Australia. We organise weekly, free, timed, volunteer-run 5km run or walks that are open to everyone.

NON-EXECUTIVE CHAIR OF THE BOARD

Pollinate Energy

2015 – Present

Pollinate Energy is a social enterprise focused on providing access to low cost, clean energy technology that improves the lives of people living in India's urban slums. We are headquartered in Bangalore and now operate in five cities across India. I began volunteering with Pollinate Energy in 2014, as a Program Participant and have served as a director and Chair of the Board since 2015.

RESEARCH MANAGER,
THIN FILM SOLAR CELLS

CSIRO

2004 – September 2014

CSIRO is the Australian Government Research Agency. I was responsible for the management of people and projects. I was the Project Leader on Research Collaborations that attracted over \$40M in investments. Key achievements in the projects I have been involved with include:

- Initiating research on OLEDs that led to a \$15M commercial investment in a new research project. This was recognized with the CSIRO Medal for Business Excellence in 2012.
- Establishing Australia's largest facility for printing solar cells and developing the technology to a point where private enterprise is now ready to commercialise the research.
- Recruiting, supervising and developing a large co-hort of research scientists who have subsequently been successful in securing independent research funding.

In recent times, a significant part of my role has been to develop plans for customer-focused implementations of the flexible solar cell technologies with companies. It was these activities that introduced me to Pollinate Energy and began my social enterprise activities.

RESEARCH SCIENTIST

CAMBRIDGE DISPLAY TECHNOLOGY

2000 - 2004

Research Scientist responsible for the development and characterisation of new materials for highly efficient Organic Light Emitting Diodes. I was initially employed in the Oxford-based startup, Opsys Ltd. and moved to Cambridge following the acquisition of Opsys by CDT.

- I also held research fellowships at both Oxford and Cambridge Universities. I am an inventor on 11 patent applications.

NETWORKS

- I am a member of the Royal Australian Chemical Institute and the American Chemical Society.
- I was a committee member of the Royal Australian Chemical Institute Women in Chemistry Group between 2013 and 2016.
- I was Deputy Chair of the 9TH ASEANIAN conference on dye-sensitised and organic solar cells held in Sydney in December 2014.
- I was the co-chair of the International Conference on Organic and Excitonic Solar Cells held in Cooloom in February 2013.
- I was the recipient of a CSIRO Julius Fellowship between 2008 and 2010. This career development award provided me with \$50,000 p.a. for 3 years. I used this to initiate collaborations with a large number of international research groups and companies that helped establish and benchmark CSIRO's research activities in the area of printed solar cells. In a 2013 external review our group was given the highest rating and ranked benchmark/benchmark with regards to science achievements and commercial engagement.

OUTREACH AND SCIENCE EDUCATION

- I participated in the Scientists in Schools Program between 2007 and 2015.
- I have been a keynote speaker at the Australian Science Teachers Association and Laboratory Technicians annual conferences.
- I have presented lectures and represented Australia at Science outreach and education events in both Indonesia and Thailand.
- I have participated in and spoken at dozens of science education events, including National Science Week events.
- I am a regular contributor to radio interviews about science and technology and I have produced a number of videos highlighting the impact of technology through both research agencies and social enterprises.

PORTFOLIO

Links at www.scottwatkins.me

VIDEOS FEATURING ME

[Public Lecture on Fantastic Plastic, Australian Academy of Science, 2017](#)
[GE Reports Video about Printed Solar Cells, 2014](#)
[Sustainable Cities Video, Museum Victoria, 2013](#)
[Pollinate Energy April 2014 YPP Video](#)
[My fundraising campaign for a project with Pollinate Energy in India](#)
[Public Lecture on Printed Solar Cells, Beyond Zero Emissions, 2013](#)
[Research Lecture on Printed Solar Cells, Georgia Institute of Technology, 2013](#)
[Printing Australia's Largest Solar Cells Video, CSIRO, 2013](#)
[Printed Solar Cells Video, University of Melbourne, 2013](#)
[Thin Film Cells Video, SPIE, 2013](#)

ARTICLES I HAVE WRITTEN

[Flexible Electronics Article on theconversation.com](#)
[Printed Power Article in ECOS Magazine](#)
[Details of 80 Peer Reviewed Papers that I have written, listed on ResearcherID.](#)

VIDEOS I HAVE PRODUCED

[Make/Feel - Nominated for the Nexus Australia Innovator of the Year Award](#)
[Pollinate Energy Lights for Australia](#)
[Videos about parkrun](#)
[Pollinate Energy Testimonial Videos](#)

ARTICLES ABOUT MY WORK

[Report on Renewable Energy Presentation in Indonesia, 2014](#)
[Report on Renewable Energy Presentation in Thailand, 2013](#)
[Report on Printed Solar Cells, Fast Company, 2013](#)
[Report on Printed Solar Cells, Mashable, 2013](#)
[Report on Printed Solar Cells, The Age, 2013](#)

INTERVIEWS WITH ME AVAILABLE ONLINE

[Wearable Solar Power, Radio Australia Interview, 2015](#)
[Printed Solar Cells Interview, Beyond Zero Emissions, 2014](#)
[Organic Solar Cells Interview, Beyond Zero Emissions, 2014](#)
[Pollinate Energy Interview, Beyond Zero Emissions, 2014](#)
[Printed Solar Cells Interview, Radio Australia, 2013](#)
[Talking Technology Podcast Interview, 2013](#)
[Watts Fit to Print Podcast, University of Melbourne, 2013](#)
[Printing Solar Power Like Money Podcast, CSIRO, 2013](#)
[New Science of Flexible Solar Panels Radio Interview, 2TM, 2013](#)
[Flexible Electronics Radio Interview, Beyond Zero Emissions, 2012](#)



REFEREED SCIENTIFIC PAPERS

	Reference	Citations	Impact Factor
1	M. Gao, J. Subbiah, P. B Geraghty, M. Chen, B. Purushothaman, X. Chen, T. Qin, D. Vak, F. H Scholes, S. E Watkins, M. Skidmore, G. J Wilson, A. B Holmes, D. J Jones, W. WH Wong, Development of a high-performance donor-acceptor conjugated polymer: synergy in materials and device optimization , <i>Chem. Mater.</i> , 2016, 28 , 3481.	17	8.535
2	YS Jung, K Hwang, FH Scholes, SE Watkins, DY Kim, D Vak, Differentially pumped spray deposition as a rapid screening tool for organic and perovskite solar cells , <i>Sci. Rep.</i> , 2016, 6 , 20357.	10	4.259
3	M. Al-Hashimi, Y. Han, J. Smith, H. S Bazzi, S. Yousuf A Alqaradawi, S. E Watkins, T. D Anthopoulos, M. Heeney, Influence of the heteroatom on the optoelectronic properties and transistor performance of soluble thiophene-, selenophene- and tellurophene-vinylene copolymers , <i>Chem. Sci.</i> , 2016, 7 , 1093	21	7.525
4	A Gupta, A Ali, M Gao, TB Singh, A Bilic, SE Watkins, U Bach, RA Evans, Small molecules containing rigidified thiophenes and a cyanopyridone acceptor unit for solution-processable bulk-heterojunction solar cells , <i>Dyes and Pigments</i> , 2015, 119 , 122.	4	3.473
5	A. Garg, Shailendra K. Gupta, J. J. Jasieniak, Th. B. Singh, S. E. Watkins, Improved lifetimes of organic solar cells with solution-processed molybdenum oxide anode-modifying layers , <i>Prog. Photovolt: Res. Appl.</i> , 2015, 989.	4	9.696
6	Y Fang, AK Pandey, DM Lyons, PE Shaw, SE Watkins, PL Burn, SC Lo, P. Meredith, Tuning the Optoelectronic Properties of Nonfullerene Electron Acceptors , <i>ChemPhysChem</i> , 2015, 16 , 1295.	3	3.075
7	E Buchaca-Domingo, K Vandewal, Z Fei, SE Watkins, FH Scholes, J. H Bannock, J. C de Mello, L. J Richter, D. M DeLongchamp, A. Amassian, M. Heeney, A. Salleo, N. Stingelin, Direct correlation of charge transfer absorption with molecular donor: acceptor interfacial area via photothermal deflection spectroscopy , <i>J. Amer. Chem. Soc.</i> , 2015, 137 , 5256.	16	9.907
8	K Hwang, YS Jung, YJ Heo, FH Scholes, SE Watkins, J Subbiah, D. J Jones, D.-Y. Kim, D. Vak, Toward large scale roll - to - roll production of fully printed perovskite solar cells , <i>Adv. Mat.</i> , 2015, 27 , 1241.	214	14.829
9	D. Vak, K. Hwang, A. Faulks, Y.-S. Jung, N. Clark, D.-Y. Kim, G. J. Wilson, S. E. Watkins, 3D Printer-Based Slot-Die Coater as a Lab-to-Fab Translation Tool for Solution-Processed Solar Cells , <i>Adv. Energy Mater.</i> , 2015, 5 , 1401539.	60	14.385

10	HC Weerasinghe, SE Watkins, N Duffy, DJ Jones, AD Scully, Influence of moisture out-gassing from encapsulant materials on the lifetime of organic solar cells , <i>Sol. Energy Mater. Sol. Cells</i> , 2015, 132 , 485.	26	4.542
11	D Vak, J van Embden, WWH Wong, S Watkins, Optically monitored spray coating system for the controlled deposition of the photoactive layer in organic solar cells , <i>App. Phys. Lett.</i> , 2015, 106 , 7.	12	3.844
12	J Subbiah, B Purushothaman, M Chen, T Qin, M Gao, D Vak, FH Scholes, X. Chen, S. E Watkins, G. J Wilson, A. B Holmes, W. WH Wong, D. J Jones, Organic Solar Cells Using a High - Molecular - Weight Benzodithiophene-Benzothiadiazole Copolymer with an Efficiency of 9.4% , <i>Adv. Mater.</i> , 2015, 27 , 702.	111	14.829
13	KD Deshmukh, T Qin, JK Gallaher, ACY Liu, E Gann, K O'Donnell, L. Thomsen, J. M Hodgkiss, S. E Watkins, C. R McNeill, Performance, morphology and photophysics of high open-circuit voltage, low band gap all-polymer solar cells , <i>Energy & Environ Sci.</i> , 2015, 8 , 332.	59	29.518
14	C Roldán-Carmona, T Akatsuka, M Sessolo, SE Watkins, HJ Bolink, Engineering charge injection interfaces in hybrid light-emitting electrochemical cells , <i>ACS Appl. Mat. Inter.</i> , 2014, 6 , 19520.	8	7.504
15	A. Luzio, D. Fazzi, F. Nübling, R. Matsidik, A. Straub, H. Komber, E. Giussani, S. E. Watkins, M. Barbatti, W. Thiel, E. H. Gann, L. Thomsen, C. R. McNeill, M. Caironi, M. Sommer, Structure-function relationships of high-electron mobility naphthalene diimide copolymers prepared by direct arylation , <i>Chem. Mater.</i> , 2014, 26 , 6233.	66	8.535
16	C. P. Yau, Z. Fei, R. S. Ashraf, M. Shahid, S. E. Watkins, P. Pattanasattayavong, T. D. Anthopoulos, V. G. Gregoriou, C. L. Chochos, M. Heeney, Influence of the Electron Deficient Co-Monomer on the Optoelectronic Properties and Photovoltaic Performance of Dithienogermole-based Co-Polymers , <i>Adv. Func. Mater.</i> , 2014, 24 , 678.	41	10.179
17	E. Buchaca-Domingo, A. J. Ferguson, F. C. Jamieson, T. McCarthy-Ward, S. Shoaee, J. R. Tumbleston, O. G. Reid, L. Yu, M.-B. Madec, M. Pfannmöller, F. Hermerschmidt, R. R. Schröder, S. E. Watkins, N. Kopidakis, G. Portale, A. Amassian, M. Heeney, H. Ade, G. Rumbles, J. R. Durrant, N. Stingelin, Additive-assisted supramolecular manipulation of polymer: fullerene blend phase morphologies and its influence on photophysical processes , <i>Mater. Horiz.</i> , 2014, 1 , 270.	30	9.095
18	P. Yang, M. Yuan, D. F. Zeigler, S. E. Watkins, J. A. Lee, C. K. Luscombe, Influence of fluorine substituents on the film dielectric constant and open-circuit voltage in organic photovoltaics , <i>J. Mat. Chem. C.</i> , 2014, 2 , 3278.	36	6.626

19	JW Rumer, S Rossbauer, M Planells, SE Watkins, TD Anthopoulos, I. McCulloch, Reduced roughness for improved mobility in benzodipyrrolidone-based, n-type OFETS , <i>J. Mater. Chem. C.</i> , 2014, 2 , 8822.	7	6.626
20	B. I. MacDonald, E. Della Gaspera, S. E. Watkins, P. Mulvaney, J. J. Jasieniak, Enhanced photovoltaic performance of nanocrystalline CdTe/ZnO solar cells using sol-gel ZnO and positive bias treatment , <i>J. Appl. Phys.</i> , 2014, 115 , 184501.	9	2.185
21	A. Sharma, S. E Watkins, G. Andersson, D. A Lewis, Effect of Annealing Temperature of ZnO on the Energy Level Alignment in Inverted Organic Photovoltaics (OPVs) , <i>Energy Tech.</i> , 2014, 2 , 462.	5	-
20	A. Garg, Shailendra K. Gupta, J. J. Jasieniak, Th. B. Singh, S. E. Watkins, Improved lifetimes of organic solar cells with solution-processed molybdenum oxide anode-modifying layers , <i>Prog. Photovolt: Res. Appl.</i> , 2014, DOI: 10.1002/pip.2512.	0	9.696
21	A. N. Simonov, P. Kemppinen, C. Pozo-Gonzalo, J. F. Boas, A. Bilic, A. D. Scully, A. Attia, A. Nafady, E. A. Mashkina, K. Winzenberg, S. E. Watkins, A. M. Bond, Aggregation of a Dibenzo [b, def] chrysene Based Organic Photovoltaic Material in Solution , <i>J. Phys. Chem. B.</i> , 2014, 118 , 6839.	8	3.377
22	B. C. Schroeder, S. Rossbauer, R. J. Kline, L. Biniak, S. E. Watkins, T. D. Anthopoulos, I. McCulloch, C. B Nielsen, Benzotrithiophene Copolymers: Influence of Molecular Packing and Energy Levels on Charge Carrier Mobility , <i>Macromolecules</i> , 2014, 47 , 2883.	12	5.167
23	J. van Embden, A. S. R. Chesman, E. Della Gaspera, N. W. Duffy, S. E. Watkins, J. J. Jasieniak, Cu₂ZnSnS₄xSe₄(1-x) Solar Cells from Polar Nanocrystal Inks , <i>J. Amer. Chem. Soc.</i> , 2014, 136 , 5237.	64	9.907
24	J. Marshall, Z. Fei, C. P. Yau, N. Yaacobi-Gross, S. Rossbauer, T. D. Anthopoulos, S. E. Watkins, P. Beavis and M. Heeney, Incorporation of benzocarborane into conjugated polymer systems: synthesis, characterisation and optoelectronic properties , <i>J. Mat. Chem. C.</i> , 2014, 2 , 232.	6	5.968
25	X. He, S. Mukherjee, S. E. Watkins, M. Chen, T. Qin, L. Thomsen, H. W. Ade, C. R. McNeill, Influence of Fluorination and Molecular Weight on the Morphology and Performance of PTB7:PC71BM Solar Cells , <i>J. Phys. Chem. C.</i> , 2014, 118 , 9918.	30	4.835
26	B. I. MacDonald, T. R. Gengenbach, S. E. Watkins, P. Mulvaney, J. J. Jasieniak, Solution-processing of ultra-thin CdTe/ZnO nanocrystal solar cells , <i>Thin Solid Films</i> , 2014, 558 , 365.	9	1.867
27	D. Gendron, E. Gann, K. Pattison, F. Maasoumi, C. R. McNeill, S. E. Watkins, P. L. Burn, B. J. Powell, P. E. Shaw, Synthesis and properties of pyrrolo[3,2-b]pyrrole-1,4-diones (isoDPP) derivatives , <i>J. Mat. Chem. C.</i> , 2014, 2 , 4276.	3	6.626

28	T. Qin, W. Zajaczkowski, W. Pisula, M. Baumgarten, M. Chen, M. Gao, G. Wilson, C. D Easton, K. Müllen, S. E Watkins, Tailored Donor-Acceptor Polymers with an A-D1-A-D2 Structure: Controlling Intermolecular Interactions to Enable Enhanced Polymer Photovoltaic Devices , <i>J. Amer. Chem. Soc.</i> , 2014, 136 , 6049.	126	9.907
29	J. W. Rumer, C. K. L. Hor, I. Meager, C. P. Yau, Z. Huang, C. B. Nielsen, S. E. Watkins, H. Bronstein, I. McCulloch, Alkyl side-chain branching point effects in thieno [3, 4-c] pyrrole-4, 6-dione copolymers , <i>J. Org. Semi.</i> , 2014, 1 , 30.	4	-
30	M. Lv, S. Li, J. J. Jasieniak, J. Hou, J. Zhu, Z. Tan, S. E. Watkins, Y. Li and X. Chen, A hyperbranched conjugated polymer as the cathode interlayer for high-performance polymer solar cells , <i>Adv. Mat.</i> , 2013, 25 , 6889.	54	14.829
31	K. Sears, G. Fanchini, S. E. Watkins, C. P. Huynh and S. C. Hawkins, Aligned carbon nanotube webs as a replacement for indium tin oxide in organic solar cells , <i>Thin Solid Films</i> , 2013, 531 , 525.	12	1.890
32	J. W. Rumer, S.-Y. Dai, M. Levick, Y. Kim, M.-B. Madec, R. S. Ashraf, Z. Huang, S. Rossbauer, B. Schroeder, L. Biniek, S. E. Watkins, T. D. Anthopoulos, R. A. J. Janssen, J. R. Durrant, D. J. Procter and I. McCulloch, Dihydropyrroloindole-dione-based copolymers for organic electronics , <i>J. Mat. Chem. C.</i> , 2013, 1 , 2711.	18	5.968
33	A. R. Gentle, G. B. Smith and S. E. Watkins, Discharge amplified photo-emission from ultra-thin films applied to tuning work function of transparent electrodes in organic opto-electronic devices , <i>App. Surf. Sci.</i> , 2013, 285 , 110.	0	2.112
34	H. Bronstein, J.M. Frost, A. Hadipour, Y. Kim, C.B. Nielsen, R.S. Ashraf, B.P. Rand, S. Watkins and I. McCulloch, Effect of Fluorination on the Properties of a Donor-Acceptor Copolymer for Use in Photovoltaic Cells and Transistors , <i>Chem Mat.</i> , 2013, 25 , 277.	127	7.286
35	K. N. Winzenberg, P. Kemppinen, F. H. Scholes, G. E. Collis, Y. Shu, Th. B. Singh, A. Bilic, C. M. Forsyth and S. E. Watkins, Indan-1,3-dione electron-acceptor small molecules for solution-processable solar cells: a structure-property correlation , <i>Chem. Comm.</i> , 2013, 49 , 6307.	68	6.169
36	T. Daeneke, K. Gräf, S. E. Watkins, M. Thelakkat and U. Bach, Infrared sensitizers in titania-based dye-sensitized solar cells using a dimethylferrocene electrolyte , <i>Chemsuschem</i> , 2013, 6 , 2056.	6	7.475
37	F. H. Scholes, T. Ehlig, M. James, K. H. Lee, N. Duffy, A. D. Scully, T. B. Singh, K. N. Winzenberg, P. Kemppinen and S. E. Watkins, Intraphase microstructure-understanding the impact on organic solar cell performance , <i>Adv Func. Mater.</i> , 2013, 45 , 5655.	9	10.179

38	H. Bronstein, M. Hurhangee, E. C. Fregoso, D. Beatrup, Y. W. Soon, Z. Huang, A. Hadipour, P. S. Tuladhar, S. Rossbauer, E.-H Sohn, S. Shoaee, S. D. Dimitrov, J. M. Frost, R. S. Ashraf, T. Kirchartz, S. E. Watkins, K. Song, T. Anthopoulos, J. Nelson, B. P. Rand, J. R. Durrant and I. McCulloch, Iso-structural, deeper HOMO analogues of P3HT for high open circuit voltage organic solar cells , <i>Chem. Mat.</i> , 2013, 25 , 4239.	34	7.286
39	H. Zhong, Z. Li, E. Buchaca-Domingo, S. Rossbauer, S. E. Watkins, N. Stingelin, T. D. Anthopoulos and M. Heaney, Low band gap dithienogermolodithiophene copolymers with tunable acceptors and side-chains for organic solar cells , <i>J. Mat. Chem. A.</i> , 2013, 1 , 14973.	19	5.968
40	D. Hong, M. Lv, M. Lei, Y. Chen, P. Lu, Y. Wang, J. Zhu, H. Wang, M. Gao, S. E. Watkins, and X. Chen, N-Acyldithieno[3,2-b:2',3'-d]pyrrole-based low-band-gap conjugated polymer solar cells with amine-modified [6,6]-phenyl-C61-butyric acid ester cathode interlayers , <i>ACS Appl. Mat. Int.</i> , 2013, 5 , 10995.	14	5.008
41	Z. Fei, X. Gao, J. Smith, P. Pattanasattayavong, E. B. Domingo, N. Stingelin, S. E. Watkins, T. D. Anthopoulos, R. J. Kline and M. Heaney, Near infrared absorbing soluble soly(cyclopenta[2,1-b:3,4-b']dithiophen-4-one)vinylene olymers exhibiting high hole and electron mobilities in ambient air , <i>Chem. Mat.</i> , 2013, 25 , 59.	22	7.286
42	J. Yang, D. Vak, N. Clark, J. Subbiah, W. W. H. Wong, D. J. Jones, S. E. Watkins and G. Wilson, Organic photovoltaic modules fabricated by an industrial gravure printing proofer , <i>Sol. Energy Mater. Sol. Cells</i> , 2013, 109 , 47.	66	4.542
43	J. E. Donaghey, E.-H. Sohn, R. S. Ashraf, T. D. Anthopoulos, S. E. Watkins, K. Song, C. K. Williams and I. McCulloch, Pyrroloindacenodithiophene polymers: the effect of molecular structure on OFET performance , <i>Poly. Chem.</i> , 2013, 4 , 3537.	16	5.231
44	C. Redshaw, S. Watkins, S. M. Humphrey, P. C. Bulman Page, S. Ashby, Y. Chao, C. J. Herbert and A. Mueller, Rhenium(I) phenanthrolines bearing electron withdrawing CF₃substituents: synthesis, characterization and biological evaluation , <i>RSC Adv.</i> , 2013, 3 , 23963.	6	2.562
45	G. E. McCluskey, S. E. Watkins, A. B. Holmes, C. K. Ober, J.-K. Lee and W. W. H. Wong, Semi-perfluoroalkyl polyfluorene with varying fluorine content: synthesis and photophysical properties , <i>Poly. Chem.</i> , 2013, 4 , 5291.	3	5.231
46	A. Gupta, V. Armel, W.C. Xiang, G. Fanchini, S.E. Watkins, D.R. MacFarlane, U. Bach and R.A. Evans, The effect of direct amine substituted push-pull oligothiophene chromophores on dye-sensitized and bulk heterojunction solar cells performance , <i>Tetrahedron</i> , 2013, 69 , 3584.	31	3.025

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49	A. Gupta, A. Ali, A. Billic, M. Gao, K. Hegedus, B. Singh, S. E. Watkins, G. J. Wilson, Udo Bach and R. A. Evans, Absorption enhancement of oligothiophene dyes through the use of a cyanopyridone acceptor group in solution-processed organic solar cells , <i>Chem Commun.</i> , 2012, 1889.	46	6.169
50	T. B. Singh, X. Chen, W. W. H. Wong, T. Ehlig, P. Kemppinen, M. Chen, S. E. Watkins, K. N. Winzenberg, S. Holdcroft, D. J. Jones and A. B. Holmes, Correlation of charge extraction properties and short circuit current in various organic binary and ternary blend photovoltaic devices , <i>Applied Physics A</i> , 2012, 108 , 515.	5	1.630
51	Y. Chen, Z. Jiang, M. Gao, S. E. Watkins, P. Lu, H. Wang and X. Chen, Efficiency enhancement for bulk heterojunction photovoltaic cells via incorporation of alcohol soluble conjugated polymer interlayer , <i>Appl. Phys. Lett.</i> , 2012, 100 , 203304.	33	3.844
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Career Metrics

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PATENT APPLICATIONS

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INVITED PRESENTATIONS AT INTERNATIONAL CONFERENCES

- 1 IMRE-ICOS (Singapore-Australia Organic Photovoltaics Symposium), January 2009.
- 2 Large Area Organic and Printed Electronics Conference (LOPE-C) in Frankfurt, June 2009.
- 3 11th Pacific Polymer Chemistry Meeting in Cairns, December 2009.
- 4 Printed Electronics and Photovoltaics Europe Conference in Dresden, March 2010.
- 5 9th International Symposium on Functional pi-electron Systems in Atlanta, GA, May 2010.
- 6 Pacifichem 2010 in Hawaii, December 2010.
- 7 Printed Electronics and Photovoltaics Europe Conference in Dusseldorf, April 2011.
- 8 Organic Photovoltaics XII, International Symposium on Photonic Devices and Applications, part of the SPIE Optics + Photonics Annual Meeting in San Diego, August 2011.
- 9 4th International Photonics and OptoElectronics Conference, Wuhan, China, 2011.
- 10 Materials Research Society, Spring Meeting, San Francisco, 2012.
- 11 Co-chair International Conference on Excitonic Solar Cells, Coolum, 2012.
- 12 Department of Foreign Affairs and Trade Keynote Speaker, Thailand, 2013.
- 13 International Colloquium on Flexible Electronics, KAUST, Saudi Arabia, 2013.
- 14 Department of Foreign Affairs and Trade Keynote Speaker, Indonesia, 2014.