

Dr Jess Wade	07725810780 @jesswade	Jessica.wade@imperial.ac.uk	Imperial College London Blackett Laboratory, Prince Consort Road SW7 2BW
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Employment History

March 2017 - present	Postdoctoral Research Associate	Imperial College London
May 2016 – February 2017	Senior Outreach Officer	King's College London
October 2012 – May 2016	PhD student	Imperial College London

Education

2012 – 2016	PhD	Imperial College London, supervisor: Dr Ji-Seon Kim
2008 – 2012	MSc	Imperial College London
2007 – 2008	Art Foundation	Chelsea College of Art and Design
2000 – 2007	A-Levels (Maths, Further Maths, Chemistry, Physics, Art)	South Hampstead High School

Positions of Responsibility

Academic

2017	Lab manager (4 PhD students, 2 MSci students)
2017	US State Department International Visitor Leadership Program
2017	Institute of Physics Emerging Leader
2018	PI on Beamtime Proposals (Diamond, ISIS)
2018	Organised the two-day Centre for Plastic Electronics annual symposium (200 attendees, 8 sponsors)

Outreach/ Gender Equality

2018	Co-lead for the Conference for Undergraduate Women in Physics
2017	IUPAP International Conference for Women in Physics Team Lead
2017 - present	Women's Engineering Society Council
2015 - present	WISE Young Women's Board
2015 - present	Juno/ Athena Swan Committee
2015	IOP Voice of the Future

Awards

Academic

2017	IOM3 Robert Perrin Medal for Materials Science
2016	IOP Bell-Burnell Award
2015	Physics Department for Postgraduate Research Symposium Prize
2015	Faculty of Natural Sciences Award for Excellence in Teaching and Learning
2014	Student Academic Learning Choice Award
2012	Department of Physics Tyndall Award for Final Year Project

Outreach/ Gender Equality

2018	Honourable mention Wikipedian of the year
2018	IOP Daphne Jackson Award
2015	IOP Early Career Physics Communicator Award
2015	Union Award for Contributions to College Life
2015	I'm a Scientist, Get me Out of Here

Grants

Academic

Travel	
Armourers & Brasiers Gauntlett Trust	£1,000
Imperial College Trust	£300
Nanjing University of Technology	£300
IOP Higher Education Group	£300
IOP Materials Research Group	£300

Training

Graduate School Funding	£3,000
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Outreach/ Gender Equality

Royal Society of Chemistry Diversity Grant	£4,000
IOP London & South East Branch	£2,000
Turing Institute Engagement Grant	£5,500
Royal Society of Chemistry Small Awards	£1,000
Biochemical Society Diversity Grant	£1,500
RAEng Ingenious Award	£5,500
O2 Think Big Award	£500
UK Space Agency Space for All	£16,500

Talks (* invited)

Academic

2018	RMS Smart Nanomaterials Conference *
2018	SPIE Optics & Photonics
2018	University of Leeds *
2018	RMS Optoelectronics *
2017	New Zealand Institute of Physics Annual Conference *
2015	Brazil Materials Research Society
2015	Nanjing Technical University
2015	National Physical Laboratory
2014	Specific, Swansea
2014	European Materials Research Society
2014	Erlangen Workshop on Plastic Electronic Materials
2013	Korean Advanced Institute of Science & Technology

Outreach/ Gender Equality

2019	American Association of Physics Teachers Conference *
2019	New York Women in Technology Conference *
2019	Irish Science Teachers Conference*
2018	New Scientist Live*
2018	Victoria and Albert Museum Future of Materials*
2018	Royal Society Culture of Research Conference*
2018	Norwegian University Gender Equality in Academia *
2018	CERN Gender Equality and String Theory *
2018	Computer Weekly *
2017, 2018	Sci Foo Camp at Google *
2017	Welsh Physics Teachers Conference

Media

Radio

Panellist on BBC World Service The Click, BBC Naked Scientists, BBC Inside Science

Television

Guest on BBC World News, Channel 4 News, Channel 5 News, Good Morning America, Canadian Broadcasting Company News, Sky News, BBC InFocus

Print

Profiled for the Guardian, Time's Education Supplement, CNN, Huffington Post, El Pais, Nature Blogs, Corriere

Publications

In Preparation

Thickness-dependent dissymmetry factor in polymer-helicene blend circularly polarised OLEDs, J. Wade, L. Wan, F. Salerno, M. Fuchter, A. Campbell

Impact of Molecular Order on Polaron Formation in Conjugated Polymers, J. Nightingale, J. Wade, D. Moia, J. Nelson, J. Kim

Molecular-level electrochemical doping in organic semiconducting polymers for noninvasive diagnostics using exhaled breath, S. Kim, Y. Park, J. Wade, J-S Kim

Physics World Expanding e-book on Characterisation of Thin Films (invited)

Out for Review

Direct Imaging Pentacene Molecular Orientation Controlled by SAM layers and Its Impact on Thin Film Transistor Device Performance

Modulation of spin injection and Interface-Mediated Molecular Ordering in Organic Spintronic Devices, Y- J. Bae, N-J. Lee, J. Wade, J.-S. Kim, I. Eisuke, T-H. Kim,

Structure-charge transport property relationship in liquid-crystalline side-chain π -conjugated polymers, Y. Xiao, L. Mazur, J. Wade, F. Mathevet

Accepted

- Controlling Microstructure of Pentacene Derivatives by Solution Processing: Impact of Structural Anisotropy on Optoelectronic Properties, D. T. James, J. M. Frost, J. Wade, J. Nelson, J-S. Kim, ACS NANO, 7, 79831, 2013
- Synthesis and morphology of asymmetric, alkyne-functionalised pentacene and 2-fluoroanthradithiophene, c. M. S. Combe, D. T. James, J. Wade, A. J. P. White, J-S. Kim, I. McCulloch, Tetrahedron Letters, 54, 6814, 2013
- Charge mobility anisotropy of functionalized pentacenes in organic field effect transistors fabricated by solution processing, J. Wade, F. Steiner, D. T. James, D. Niedzialek, Y Jung, D-J. Yun, D. D.C. Bradley, J. Nelson, J-S. Kim, Journal of Materials Chemistry C, 2, 10110, 2014
- Photochemical stability of high efficiency PTB7:PC70BM solar cell blends, J. Razzell-Hollis, J. Wade, W. C. Tsoi, Y. Soon, J. Durrant, J-S. Kim, Journal of Materials Chemistry A, 2, 20189, 2014
- Excitation Energy Dependent Optical Transitions and Their Photostability of Diketopyrrolopyrrole (DPP)-Based Copolymers for Photovoltaic Application, Energy & Environmental Science S. Wood, J. Wade, M. Shahid, E. Collado- Fregoso, D. D. C. Bradley, J. Durrant, M. Heeney, J-S. Kim. Energy Environ. Sci., 8, 3222-3232, 2015 (Front Cover)
- Operational Electrochemical Stability of Thiophene-Thiazole Copolymers Probed by Resonant Raman Spectroscopy, J. Wade, S. Wood, D. Beatrup, M. Hurhangee, H. Bronstein, I. McCulloch, J. Durrant, and J-S. Kim, Journal of Chemical Physics, 2015
- Polaron stability in semiconducting polymer neat films, D. Beatrup, J. Wade, L. Biniek, H. Bronstein, M. Hurhangee, J-S. Kim, I. McCulloch and J. R. Durrant, Chemical Communications, 50, 14425, 2015
- Influence of Backbone Fluorination in Regioregular Poly(3-alkyl-4-fluoro)thiophenes, Z. Fei, P. Boufflet, S. Wood, J. Wade, J. Moriarty, E. Gann, E. Ratcliff, C. McNeill, H. Sirringhaus, J-S. Kim, M. Heeney, J Am Chem Soc, 137, 6866, 2015
- Self-Aligned Megahertz Organic Transistors Solution-Processed on Plastic, S. G. Higgins., B. V. O. Muir, J. Wade, J. Chen, B. Striedinger, H. Gold, B. Stadlober, M. Caironi, J-S. Kim, J. H. G. Steinke, A. J. Campbell, Advanced Electronic Materials, 1, 2015
- Excitation Energy Dependent Optical Transitions and Their Photostability of Diketopyrrolopyrrole (DPP)-Based Copolymers for Photovoltaic Application, Energy & Environmental Science S. Wood, J. Wade, M. Shahid, E. Collado- Fregoso, D. D. C. Bradley, J. Durrant, M. Heeney, J-S. Kim. Energy Environ. Sci., 8, 3222-3232, 2015 (Front Cover)
- Molecular Design of a Room-Temperature Maser, S. Bogatko, P. Haynes, J. Sathian, J. Wade, J-S. Kim, J. Breeze, E. Salvadori, A. Horsfield, M. Oxborrow, Journal of the American Chemical Society, 120, 8251, 2016
- Comparing blends and blocks: Synthesis of partially fluorinated diblock polythiophene copolymers to investigate the thermal stability of optical and morphological properties, P. Boufflet, S. Wood, J. Wade, J-S. Kim, M. Heeney, JACS, 2016
- 1-GHz pentacene diode rectifiers enabled by controlled film deposition on SAM-treated Au anodes C-M. Kang, J. Wade, S. Yun, J. Lim, H. Cho, J. Roh, H. Lee, S. Nam, D. D. C. Bradley, J-S. Kim, and C. Lee, Adv. Electron. Mater. 2, 1500282, 2016 (Front Cover)
- Impact of Fullerene Intercalation on Structural and Thermal Properties of Organic Photovoltaic Blends, J. Wade, E Collado-Fregoso, J-S Kim et al, Journal of Physical Chemistry C, 121, 20976, 2017
- Printed Electronics e-book (invited), Physics World Discovery, J. Wade, S. Wood, J. Razzell-Hollis, 2017