*corresponding author

[44] *Widely-applicable coinage metal window electrodes on flexible polyester substrates applied to organic photovoltaics*
H. M. Stec, R. A. Hatton*
ACS Applied Materials & Interfaces, (**2012**) *4*, 6013–6020.

[43] *An indium-free low work function window electrode for organic photovoltaics which improves with in-situ oxidation*
O. S. Hutter, H. M. Stec, R. A. Hatton*
Advanced Materials, (**2012**) DOI: 10.1002/adma.201203280.

[42] *Plasmon-Active Nano-Aperture Window Electrodes for Organic Photovoltaics*
H. M. Stec, R. A. Hatton*,
Advanced Energy Materials (**2012**) DOI: 10.1002/aenm.201200502. Front cover article (in press)

[41] *Nanoscale Geometric Electric Field Enhancement in Organic Photovoltaics*
L-J. Pegg, R.A. Hatton*,
ACS Nano (**2012**) *6*, 4722–4730.

[40] *Ultra-High Voltage Multijunction Organic Solar Cells for Low-Power Electronic Applications*
P. Sullivan, S. Schumann, R. Da Campo, T. Howells, A. Duraud, M. Shipman, Ross Hatton*, T. S. Jones*,
Advanced Energy Materials (**2012**) *3*, 239-244.

[39] *Ultra-thin Transparent Au Electrodes for Organic Photovoltaics fabricated using a Mixed Mono-Molecular Nucleation Layer*
H. M. Stec, R. Williams, T. S. Jones, R. A. Hatton*,
Advanced Functional Materials (**2011**) *21*, 1709-1716.

[38] *An Electrode Design Rule for Organic Photovoltaics Elucidated using Molecular Nanolayers*, R. M. Cook, L-J. Pegg, S. L. Kinnear, O. S. Hutter, R. J. H. Morris, R. A. Hatton*,
Advanced Energy Materials (**2011**) *1*, 440-447.

[37] *Halogenated Boron Subphthalocyanines as Light Harvesting Electron Acceptors in Organic Photovoltaics*, Paul Sullivan, Amelie Duraud, lan Hancox, Nicola Beaumont, Giorgio Mirri, James H.R. Tucker, Ross A. Hatton*, Michael Shipman* and Tim S. Jones*,
Advanced Energy Materials (**2011**) *1*, 352–355.

[36] *Increased efficiency in small molecule organic photovoltaic cells through electrode modification with self-assembled monolayers*
N. Beaumont, I. Hancox, P. Sullivan P., R. A. Hatton, T. S. Jones
Energy and Environmental Science (**2011**) *4*, 1708-1711.

[35] *Organic photovoltaic devices based on water-soluble copper phthalocyanine (TSCuPc)*
S. Schumann, R.A. Hatton, T.S. Jones
Journal of Physical Chemistry C (**2011**) *115*, 4916-492.

[34] *Enhancing the Open-Circuit Voltage of Molecular Photovoltaics using Oxidized Au Nanocrystals*,
L.-J. Pegg, S. Schumann, R. A. Hatton*
ACS Nano, (**2010**) *4*, 5671-5678.

[33] *Elucidating the factors that determine the open circuit voltage in discrete heterojunction organic photovoltaic cells*
V. Chauhan, R. A. Hatton*, P. Sullivan, T. Jones*, S. W. Cho, L. Piper, A. deMasi, K. Smith,

Journal of Materials Chemistry (**2010**) *20*, 1173-1178.

[32] Soft X-ray Spectroscopy of C_{60}/*Copper Phthalocyanine/*MoO_3 *Interfaces: Role of Reduced* MoO_3 *on Energetic Band Alignment and Improved Performance*
S.W. Cho, L.F.J. Piper, A. DeMasi, A.R.H. Preston, and K.E. Smith*, K.V. Chauhan, R. A. Hatton, T.S. Jones
J. Phys. Chem. C, (**2010**) *114*, 18252-18257.

[31] *The effect of a* MoO_x *hole-extracting layer on the performance of organic photovoltaic cells based on small molecule planar heterojunctions*
I.Hancox, P. Sullivan, K.V. Chauhan, N. Beaumont, L.A. Rochford, R. A. Hatton, T.S. Jones
Organic Electronics, (**2010**) *11*, 2019-2025.

[30] *Copper hexadecafluorophthalocyanine (F16CuPc) as an electron accepting material in bilayer small molecule organic photovoltaic cells*
J.L. Yang, S. Schumann, R. A. Hatton, T. S. Jones
Organic Electronics (**2010**) *11*, 1399-1402.

[29] *Electronic Structure of* C_{60}*/Phthalocyanine/ITO Interfaces Studied using Soft X-ray Spectroscopies*
S. W. Cho, L. F. J. Piper, A. DeMasi, A. R. H. Preston and K. E. Smith, K. V. Chauhan, P. Sullivan, R. A. Hatton, T. S. Jones
Journal of Physical Chemistry C, (**2010**) *4*, 114.

[28] *Increased efficiency of small molecule photovoltaic cells by insertion of a MoO3 hole-extracting layer*
I. Hancox, V. Chauhan, P. Sullivan, R. A. Hatton, A. Moshar, C.P.A. Mulcahy, T. S. Jones
Energy & Environmental Science (**2010**) *3*, 107-110.

[27] *Oxidised carbon nanotubes as solution processable, high work function hole-extraction layers for organic solar cells*
R. A. Hatton*, N. P. Blanchard, L. W. Tan, G. Latini, F. Cacialli, S. R. P. Silva
Organic Electronics (**2009**) *10*, 388-395.

[26] *Open-cellular organic semiconductor thin films by vertical co-deposition using sub-100 nm nanosphere templates*
S. Schumann, S. A. F. Bon, R. A. Hatton and T. S. Jones
Chemical Communications (**2009**) 6478-6480.

[25] *The fabrication and analysis of a PbS nanocrystal:*C_{60} *bilayer hybrid photovoltaic system*
D. M. Dissanayake, R. A. Hatton, T. Lutz, R. Curry, S. R. P. Silva
Nanotechnology (**2009**) *20*, 245202.

[24] *Charge transfer between acenes and PbS nanocrystals*
D. M. Dissanayake, R. A. Hatton, T. Lutz, R. Curry, S. R. P. Silva
Nanotechnology (**2009**) *20*, 195205.

[23] *Modification of charge transport in triphenyldiamine films induced by acid oxidized single-walled carbon nanotube interlayers*
L. W. Tan, R. A. Hatton, G. Latini, J. M. Shannon, S. R. P. Silva
Nanotechnology (**2008**) *19*, 485706.

[22] *High performance transistors in low mobility organic semiconductors for analog and high-frequency applications (Conference Proceedings-Peer Reviewed International Journal)*
X. J. Guo, F. Balon, R. A. Hatton, J. M. Shannon
Flexible Electronics and Displays Conference and Exhibition 2008 (JAN 21-24, 2008 Phoenix AZ)
pp 66-70.

[21] *Carbon nanotubes: a multi-functional material for organic optoelectronics* ***[Invited Review]***
R. A. Hatton*, A. J. Miller, S. R. P. Silva
Journal of Materials Chemistry (**2008**) *18*, 1183-1192.

[20] *Nanostructured copper phthalocyanine-sensitized multiwall carbon nanotube films*
R. A. Hatton*, N. P. Blanchard, V. Stolojan, A. J. Miller, S. R. P. Silva
Langmuir (**2007**) *23*, 6424-6430.

[19] *Li-salt functionalised carbon nanotubes as low work function field emitters*
(Conference Proceedings-Peer Reviewed)
S. M. Lyth, R. A. Hatton, S. R. P. Silva
Eighth IEEE International Vacuum Electronics Conference, 195-196.

[18] *A PbS nanocrystal-C-60 photovoltaic device for infrared light harvesting*
D. M. Dissanayake, R. A. Hatton, T. Lutz, R. C. Curry, S. R. P. Silva
Applied Physics Letters (**2007**) *91*, 133506.

[17] *Enhancement of polymer luminescence by excitation-energy transfer from multi-walled carbon* nanotubes
S. J. Henley, R. A. Hatton, G. Y. Chen, C. Gao, H. L. Zeng, H. W. Kroto
Small (**2007**) *3*, 1927-1933.

[16] *Nanoimprinted large area heterojunction pentacene-C_{60} photovoltaic device*
D. M. N. M Dissanayake, A. A. D. T. Adikaari, R. A. Hatton, R. J. Curry, S. R. P. Silva
Applied Physics Letters (**2007**) *90*, 253502.

[15] *Efficient laser textured nanocrystalline silicon-polymer bilayer solar cells*
A. A. D. T. Adikaari, D. M. N. M. Dissanayake, R. A. Hatton, S. R. P. Silva,
Applied Physics Letters (**2007**) *90*, 203514.

[14] *A multiwall carbon nanotube-molecular semiconductor composite for bi-layer organic solar cells (Conference Proceedings-Peer Reviewed International Journal)*
R. A. Hatton*, N. P. Blanchard, A. J. Miller and S. R. P. Silva
Physica E- Low dimensional systems & Nanostructures (**2007**) *37*, 124-127.

[13] *Operation of a reversed pentacene-fullerene discrete heterojunction photovoltaic device*
D. M. Dissanayake, R. A. Hatton, R. C. Curry, S. R. P. Silva
Applied Physics Letters (**2007**) *90*, 113505.

[12] *Hole-injection from a polar mono-molecular layer derivatized ultra-thin gold electrode into a triphenylamine derivative*,
R. A. Hatton*, M. R. Willis, J. M. Shannon,
Chemical Physics Letters (**2007**) *434*, 82-85.

[11] *Efficient field emission from Li-salt functionalised multi-wall carbon nanotubes on flexible substrates*,
S. M. Lyth, R. A. Hatton, S. R. P. Silva,
Applied Physics Letters (**2007**) *90*, 013120.

[10] *Carbon nanotubes grown on In_2O_3:Sn glass as large area electrodes for organic photovoltaics*
A. J. Miller, R. A. Hatton, S. R. P. Silva,
Applied Physics Letters (**2007**) *90*, 023105.

[9] *Tuning the work function of surface oxidised multi-wall carbon nanotubes via cation exchange**
N. P. Blanchard, R. A. Hatton*, S. R. P. Silva,

Chemical Physics Letters (**2007**) *434*, 92-95.

[8] *Interpenetrating multi-wall carbon nanotube electrodes for organic solar cells*
Anthony J. Miller, Ross A. Hatton, S. Ravi P. Silva,
Applied Physics Letters (2006) *89*, 133117.

[7] *A water soluble multi-wall carbon nanotube-polythiophene composite for bi-layer photovoltaics*
Anthony J. Miller, Ross A. Hatton, S. Ravi P. Silva
Applied Physics Letters (**2006**) *89*, 123115.

[6] *Structural and Optoelectronic Properties of C_{60} Rods Obtained Via a Rapid Synthesis Route*
Y. Jin, R. J. Curry, J. Sloan, R. A. Hatton, L. C. Chong, N. Blanchard, V. Stolojan, H. W. Kroto, S. R. P. Silva
Journal of Materials Chemistry (**2006**) *16*, 3715-3720.

[5] *A robust ultra-thin, transparent gold electrode tailored for hole-injection into organic light-emitting diodes*
Ross A. Hatton*, Martin R. Willis, Michael A. Chesters and David Briggs
Journal of Materials Chemistry (**2003**) *13*, 722-726.

[4] *Enhanced hole-injection in organic light-emitting diodes using a SAM-derivatised ultra-thin gold anode supported on ITO glass*
Ross A. Hatton*, Martin R. Willis, Michael A. Chesters, Frank J. M. Rutten and David Briggs
Journal of Materials Chemistry (**2003**) *13*, 38-43.

[3] *The use of charge transfer interlayers to control hole injection in molecular organic light emitting diodes*
Stephen R. Day, Ross A. Hatton*, Michael A. Chesters and Martin R. Willis
Thin Solid Films (**2002**) *410*, 159-166.

[2] *Organic Electroluminescent Devices: Control of Carrier Injection (Conference Proceedings-Peer Reviewed)*
M. R. Willis, S. R. Day and R. A. Hatton
Molecular Low Dimensional and Nanostructured Materials for Advanced Applications, **2002**, 13-24.
Kluwer Academic Publishers

[1] *Organic electroluminescent devices: enhanced carrier injection using an organosilane self assembled monolayer (SAM) derivatized ITO electrode*
Ross A. Hatton*, Stephen R. Day, Michael A. Chesters and Martin R. Willis
Thin Solid Films (**2001**) *394*, 292-297.