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**Patents:**

1. **Chen Wei**, Chen ZY, Wee ATS, Xie LF, Wang X, Sun JT, Ariando “*Hole Doping of Graphene*”, PCT Patent Application No. PCT/SG2011/000177, filing date: 5<sup>th</sup> May 2011; **WO 2011/139236**, published on 11<sup>th</sup> Nov 2011.
2. **Chen Wei**, Chen ZY, Wee ATS, “*Hole Doping Methods for Graphene*”, US **61/343,886**, 2010.
3. **Chen Wei**, Xie Lan Fei, Wang Xiao, Sun Jia Tao, Ariando, Wee ATS “*Fabrication of Room-Temperature Ferromagnetic Graphene by Surface Modification with High Work Function Metal Oxides*” US, **61/404,975, Oct 2010**
4. Ji Wei, Wee ATS, **Chen Wei**, Venkatram Nalla, Ram Sevak Singh, “*Laser Patterning of Graphene/ Graphene-oxide Schottky Junction for Photoconductive and Photovoltaic Applications*” US, **61/515,380**, Sep 2011
5. **Chen Wei**, Rao RC, “*Fabrication of Black TiO<sub>2</sub> Nanoparticles via H<sub>2</sub>-Plasma Treatment for Enhanced Visible Light Organic Waste Decontamination in Water*” US, **61/568,246** Dec 2011

**Publications on peer-reviewed journals (\* for corresponding authors)**

Total citations > 1500 H-index: 23

**Invited reviews:**

6. “*LT-STM Studies of Substrate-Dependent Self-Assembly of Small Organic Molecules*” **(invited review article)**  
Huang H\*, Wong SL, **Chen Wei**, and Wee ATS\*, *J. Phys: D. Appl. Phys.* **44**, 464005 (2011).
5. “*Organic-Organic Heterojunction Interfaces: Effect of Molecular Orientation*” **(invited review article)**  
**Chen Wei\***, Qi DC, Huang H, Gao XY, and Wee ATS\*, *Advanced Functional Materials* **21**, 410-424 (2011).
4. “*Surface Transfer Doping of Semiconductors*” **(invited review article)**  
**Chen Wei\***, Qi DC, Gao XY, and Wee ATS\*, *Prog. Surf. Sci.* **84**, 279-321 (2009).
3. “*Synchrotron PES, RPES and NEXAFS studies of self-assembled aromatic thiol monolayers on Au(111)*” **(invited review article)**  
**Chen Wei**, and Wee ATS\*, *J. Electron Spectrosc. Relat. Phenom.* **172**, 59-63 (2009).
2. “*Charge Transfer across the Molecule/Metal Interface using the Core Hole Clock Technique*” **(invited review article)**  
Wang L, **Chen Wei**, and Wee ATS\*, *Surf. Sci. Rep.* **63**, 465-486 (2008).
1. “*Self-assembly on silicon carbide nanomesh templates*” **(invited review article)**  
**Chen Wei**, and Wee ATS\*, *J. Phys: D. Appl. Phys.* **40**, 6287 (2007).

**Book Chapters:**

1. “*STM Studies of Molecule-Metal Interfaces*” **(invited book chapter)**  
Wong SL, Huang H, Wee ATS and **Chen Wei\***, in “*The Molecule-Metal Interface*”, edited by Norbert Koch, Nobuo Ueno and Andrew T. S. Wee, Wiley

2. **"NEXAFS Studies of Molecule-Metal Interfaces" (invited book chapter)**  
Qi DC\*, **Chen Wei**\*, Wee ATS, in **"The Molecule-Metal Interface"**, edited by Norbert Koch, Nobuo Ueno and Andrew T. S. Wee, Wiley
3. **"In-situ STM studies of molecular self assembly on surfaces" (invited book chapter)**  
**Chen Wei**\*, and Wee ATS\*, in **"Scanning Probe Microscopy: techniques, applications and future directions"**, p37-55, edited by Nikodem Tomczak and Kuan Eng Johnson Goh, World Scientific, Singapore.

**Papers selected as journal cover or Frontispiece Paper:**

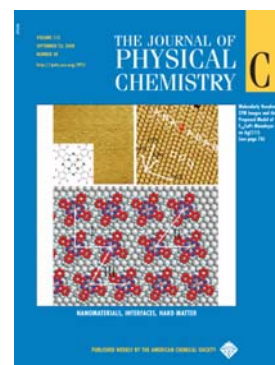
4. “Tunable two-dimensional binary molecular networks”

Huang YL, **Chen Wei\***, Li H, Pflaum J, Ma J, Wee ATS\*, *Small* **6**, 70-75 (2010).  
Selected as Frontispiece Paper.



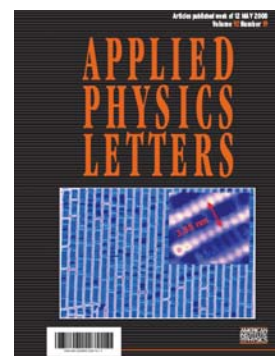
3. “Low- Temperature Scanning Tunneling Microscopy Investigation of Epitaxial Growth of F16CuPc Thin Films on Ag(111)”

Huang H, **Chen Wei\***, Wee ATS\*, *J. Phys. Chem. C* **112**, 14913-14918 (2008).  
Cover in issue 39 25<sup>th</sup> Sep.



2. “Self-Assembled Organic Donor/Acceptor Nanojunction Arrays”

**Chen Wei\***, Zhang HL, Huang H, Chen L, Wee ATS\*, *Appl. Phys. Lett.* **92**, 193301 (2008) (cover image in the 12<sup>th</sup> May issue). Highlighted by *Nature Nanotechnology* **3**, 375 (2008).



1. “Atomic force microscopy study of hexagonal boron nitride film growth on 6H-SiC (0001)”,

**Chen Wei**, Loh KP\*, Lin M, Liu R, and Wee ATS, *Phys. Stat. Sol. (a)*, **202**, 37 (2005). Front cover and editor’s choice.



## Full publication list:

### 2012

98. "PEDOT:PSS/MoO<sub>3</sub> composite layer for efficient and stable hole injection in organic semiconductors"  
Zhao YB, Chen JS, **Chen Wei\***, Ma DG\*, *J. Appl. Phys.* (Accepted).
97. "LT-STM/UPS Investigation of Two-Dimensional Crystallization of C<sub>60</sub>:Pentacene Binary System on Ag(111)"  
Zhang JL, Zhang KHL, Zhong JQ, Niu TC, **Chen Wei\***, *J. Appl. Phys.* (Accepted).
96. "Investigation of Interface Properties for ClAlPc:C<sub>60</sub> Heterojunction-Based Inverted Organic Solar Cell"  
Zhong S, Zhong JQ, Wang XZ, Huang MY, Qi DC, Chen ZK, **Chen Wei\***, *J. Phys. Chem. C.* (Accepted).
95. "Large-size Linear and Star-shaped Dihydropyrazine Fused Pyrazinacenes"  
Tong CH, Zhao WG, Luo J, Mao HY, **Chen W**, Chan HSO\*, Chi CY\* *Org. Lett.* (Accepted).
94. "Reversible Single-Molecule Switching in an Ordered Molecular Dipole Array"  
Huang YL, Lu YH, Niu TC, Huang H, Kera S, Ueno N, and Wee ATS, **Chen Wei\*** *Small* (Accepted).

### 2011

93. "Effect of Gap States on the Orientation Dependent Energy Level Alignment at the DIP/F<sub>16</sub>CuPc Donor-Acceptor Heterojunction Interfaces"  
Zhong JQ, Mao HY, Wang R, Qi DC, Cao L, Wang YZ, **Chen Wei\***, *J. Phys. Chem. C.* **115**, 23922-23928 (2011).
92. "Epitaxial Growth of Diindenoperylene Ultrathin Films on Ag(111) Investigated by LT-STM and LEED"  
Huang H\*, Sun JT, Feng YP, **Chen Wei**, and Wee ATS\*, *Phys. Chem. Chem. Phys.*, **13**, 20933-20938 (2011).
91. "Quasi-Free-Standing Epitaxial Graphene on SiC (0001) by Fluorine Intercalation from a Molecular Source"  
Wong SL, Huang H, Wang YZ, Cao L, Qi DC, Santoso I, **Chen Wei**, Wee ATS\* *ACS NANO* **7**, 7662-7668 (2011).
90. "LT-STM Studies of Substrate-Dependent Self-Assembly of Small Organic Molecules" (invited review article)  
Huang H\*, Wong SL, **Chen Wei**, and Wee ATS\*, *J. Phys: D. Appl. Phys.* **44**, 464005 (2011).
89. "Tunable Two-Dimensional Molecular Dipole Dot arrays on Graphite"  
Niu TC, Huang YL, Sun JT, Kera S, Ueno N, Wee ATS, **Chen Wei\***, *Appl. Phys. Lett.* **99**, 143114 (2011).
88. "CVD Graphene as Structural Template to Control Interfacial Molecular Orientation of Chloroaluminium Phthalocyanine"  
Mao HY, Wang R, Wang Y, Niu TC, Zhong JQ, Huang MY, Qi DC, Loh KP, Wee ATS, **Chen Wei\***, *Appl. Phys. Lett.* **99**, 093301 (2011).

87. "Laser patterning of graphene/graphene-oxide Schottky junction for fast and wavelength-independent photoconductor applications"  
Singh R, Venkatram N, **Chen Wei**, Wee ATS\*, Ji W\*, **ACS NANO** **7**, 5969-5975 (2011).
86. "Giant Two-Photon Absorption in Bernal-Stacked Bilayer Graphene"  
Yang HZ, Feng XB, Wang Q, Huang H, **Chen Wei**, Wee ATS, Ji W, **Nano. Lett.** **11**, 2622-2627 (2011).
85. "Observation of room-temperature high-energy resonant excitonic effects in graphene"  
Santoso I, Gogoi PK, Su HB, Huang H, Lu Y, **Chen Wei**, Majidi MA, Feng YP, Wee ATS, Loh KP, Venkatesan K, Saichu RP, Goos A, Kotlov A, M"ubhausen R, Rusydiet A\*, **Phys. Rev. B** **84**, 081403(R) (2011).
84. "Electrical Measurement of Non-destructively p-type Doped Graphene using Molybdenum Trioxide"  
Xie LF, Wang X, Mao HY, Wang R, Ding MZ, Wang Y, Özyilmaz B, Loh KP, Wee ATS, Ariando\*, **Chen Wei\*** **Appl. Phys. Lett.** **99**, 012112 (2011).
83. "Epitaxial Growth and Characterization of Graphene on Polycrystalline 3C-SiC"  
Huang H\*, Wong SL, Tin C-C, Shen ZX, **Chen Wei**, and Wee ATS\* **J. Appl. Phys.** **110**, 014308 (2011).
82. "Observation of a surface alloying to de-alloying transition during growth of Bi on Ag(111)"  
Zhang KHL\*, McLeod IM, Lu YH, Dhanak VR, matilainen A, Lahti M, Pussi K, Egdell RG, Wang XS, Wee ATS, **Chen Wei\***, **Phys. Rev. B** **83** 235418 (2011).
81. "Room Temperature Ferromagnetism in Partially Hydrogenated Epitaxial Graphene"  
Xie LF, Wang X, Lu J, Luo ZQ, Mao HY, Wang R, Wang YY, Huang H, Qi DC, Liu R, Yu T, Shen ZX, Wu T, Peng HY, Özyilmaz B, Loh KP, Wee ATS, Ariando\*, **Chen Wei\*** **Appl. Phys. Lett.** **98**, 193113 (2011).
80. "Molecular-Scale Investigation of C<sub>60</sub>/p-sexiphenyl Organic Heterojunction Interface"  
Zhong JQ, Huang H, Mao HY, Wang R, Zhong S, **Chen Wei\***, **J. Chem. Phys.** **134**, 154706 (2011).
79. "Symmetrical transition of an atomic arrangement for 2D Bi films on Rh(111)"  
Yokoyama M, Wong SL, **Chen Wei**, Wee ATS, Matsui T, Yuhara J\*, **Surf. Sci.** **605**, 844-847 (2011)
78. "Scanning Tunneling Microscopy and Photoelectron Spectroscopy Investigation of the Sexithiophene:C<sub>60</sub> Donor-Acceptor Nanostructure Formation on Graphite"  
Wang R, Mao HY, Huang H, Qi DC, **Chen Wei\***, **J. Appl. Phys.** **109**, 084307 (2011).
77. "A synchrotron-based photoemission study of the MoO<sub>3</sub>/Co interface"  
Wang YZ, Yang M, Qi DC, Chen S, **Chen Wei**, Wee ATS, Gao XY, **J. Chem. Phys.** **134**, 034706 (2011).
76. "Mechanism of the Fermi Level Pinning at Organic Donor-Acceptor Heterojunction Interfaces"  
Mao HY, Bussolotti F, Qi DC, Wang R, Kera S, Ueno N, Wee ATS, **Chen Wei\*** **Organic Electronics** **12**, 534-540 (2011).
75. "Electronic structure of graphite oxide and thermally reduced graphite oxide"  
Zhan D, Ni ZH, **Chen Wei**, Sun L, Luo ZQ, Lai LF, Yu T, Wee ATS, Shen ZX\*, **Carbon** **49**,

1362-1366 (2011).

74. "Molecular trapping on Two-dimensional Binay Supramolecular Networks"  
Huang YL, **Chen Wei\***, Wee ATS\*, *J. Am. Chem. Soc.* **133**, 820–825 (2011).
73. "Organic-Organic Heterojunction Interfaces: Effect of Molecular Orientation"  
(invited review article)  
**Chen Wei\***, Qi DC, Huang H, Gao XY, and Wee ATS\*, *Advanced Functional Materials* **21**, 410-424 (2011)

## 2010

72. "One Dimensional Molecular Dipole Chain Arrays on Graphite via Nanoscale Phase Separation"  
Huang YL, Wang R, Niu TC, Kera S, Ueno N, Pflaum J, Wee ATS, **Chen Wei\***, *Chemical Communication* **46**, 9040–9042 (2010).
71. "Growth dynamics and kinetics of monolayer and multilayer graphene on a 6H-SiC(0001) substrate"  
Poon SW, **Chen Wei**, Wee ATS, Tok ES\*, *Phys. Chem. Chem. Phys.* **12**, 13522–13533 (2010).
70. "Tuning of  $C_{60}$  Energy Levels Using Orientation-Controlled Phthalocyanine Films"  
Ma HY, Wang R, Huang H, Wang YZ, Gao XY, Bao SN, Wee ATS, **Chen Wei\*** *J. Appl. Phys.* **108**, 053706 (2010).
69. "Control of two-dimensional ordering of  $F_{16}CuPc$  on Bi/Ag(111): effect of interfacial interactions"  
Zhang KHL, Li H, Ma HY, Huang H, Ma J, Wee ATS, **Chen Wei\*** *J. Phys. Chem. C.* **114**, 11234 (2010).
68. "Surface Transfer Hole Doping of Epitaxial Graphene using  $MoO_3$  Thin Film"  
Chen ZY, Santoso I, Wang R, Xie LF, Mao HY, Huang H, Wang YZ, Gao XY, Chen ZK, Ma DG, Wee ATS, **Chen Wei\***, *Appl. Phys. Lett.* **96**, 213104 (2010).
67. "Effect of fluorination on the molecular packing of perfluoropentacene and pentacene ultrathin films on Ag(111)"  
Wong SL, Huang H, Huang YL, Wang YZ, Gao XY, Suzuki T, **Chen Wei\***, Wee ATS\*, *J. Phys. Chem. C.* **114**, 9356 (2010).
66. "Linear tuning of charge carriers in graphene by organic molecules and charge transfer complex"  
Sun JT, Lu YH, **Chen Wei**, Feng YP\*, Wee ATS\*, *Phys. Rev. B* **81**, 155403 (2010).
65. "In situ photoemission spectroscopy study of  $HfO_2$  dielectrics formation on graphene/SiC"  
Chen Q, Huang H, **Chen Wei**, Wee ATS, Feng YP\* Chai JW, Zhang Z, Pan JS and Wang SJ\*, *Appl. Phys. Lett.* **96**, 072111 (2010).
64. "Template-Directed Molecular Assembly on Silicon Carbide Nanomesh: Comparison between CuPc and Pentacene"  
Chen S, **Chen Wei**, Huang H, Gao XY\*, Qi DC, Wang YZ, Wee ATS\*, *ACS Nano* **4**, 849-854 (2010).
63. "Scanning Tunneling Microscopy Investigation of Self-assembled CuPc/ $F_{16}CuPc$  Binary Superstructures on Graphite"

- Huang YL, Li H, Ma J, Huang H, **Chen Wei\***, Wee ATS\*, *Langmuir* **26**, 3329-3334 (2010).
62. "Band-bending at the Graphene-SiC Interfaces: Effect of the Substrate"  
**Chen Wei\***, S Chen, ZH Ni, H. Huang, Qi DC, XY Gao, ZX Shen, Wee ATS, *Japan. J. Appl. Phys.* **49**, 01AH05 (2010).
61. "Tunable two-dimensional binary molecular networks"  
Huang YL, **Chen Wei\***, Li H, Pflaum J, Ma J, Wee ATS\*, *Small* **6**, 70-75 (2010). **Selected as Frontispiece Paper.**

## 2009

60. "Nanoscale Phase Separation of a Binary Molecular System of copper phthalocyanine and di-indenoperylene on Ag(111)"  
Huang H, Huang YL, Pflaum J, Wee ATS, **Chen Wei\***, *Appl. Phys. Lett.* **95**, 263309 (2009).
59. "Structural and electronic properties of PTCDA thin films on epitaxial graphene on 6H-SiC(0001)"  
Huang H, Chen S, Gao XY, **Chen Wei\***, Wee ATS\*, *ACS Nano* **3**, 3431 (2009).
58. "Growth of well-aligned Bi nanowires on Ag(111)"  
Zhang HL, **Chen Wei\***, Wang XS, Yuhara J, Wee ATS, *Appl. Surf. Sci.* **256**, 460 (2009).
57. "Surface structure and electronic properties of In<sub>2</sub>O<sub>3</sub>(111) single crystal thin films grown on Y-stabilised ZrO<sub>2</sub>(111)"  
Zhang KHL, Payne DJ, Palgrave RG, Lazarov V, Wee ATS, **Chen Wei**, McConville CF, King PDC, Veal AT, Panaccione Lacovig GP, and Egdell RG, *Chem. Mater.* **21**, 4353-4355 (2009).
56. "Si clusters on reconstructed SiC (0001) revealed by surface Extended X-ray Absorption Fine Structure"  
Gao XY\*, Chen S, Liu T, **Chen Wei**, Wee ATS, Nomoto T, Yagi S, Soda K, Yuhara J, *Appl. Phys. Lett.* **95**, 144102 (2009).
55. "Plasmon dispersion on epitaxial graphene studied using high-resolution electron energy-loss spectroscopy"  
Lu J, Loh KP\*, Huang H, **Chen Wei**, Wee ATS, *Phys. Rev. B* **80**, 113410 (2009).
54. "Orientation Controlled Charge Transfer at the Organic-Organic Heterojunction Interfaces"  
**Chen Wei\***, Chen S, Chen S, Huang YL, Huang H, Qi DC, Gao XY, Ma J\*, Wee ATS\*, *J. Appl. Phys.* **106**, 064910 (2009).
53. "Surface Transfer Doping of Semiconductors" (invited review article)  
**Chen Wei\***, Qi DC, Gao XY, and Wee ATS\*, *Prog. Surf. Sci.* **84**, 279-321 (2009).
52. "Molecular Orientation Dependent Energy Level Alignment at Organic-Organic Heterojunction Interfaces "  
**Chen Wei\***, Qi DC, Huang YL, Huang H, Wee ATS\*, *J. Phys. Chem. C.* **113**, 12832-12839 (2009).
51. "Ultrathin films of di-indenoperylene on graphite"  
Huang YL, **Chen Wei\***, Huang H, Qi DC, Chen S, Gao XY, Pflaum J, Wee ATS, *J. Phys. Chem. C.* **113**, 9251-9255 (2009).

50. "Molecular orientation of CuPc thin films on C<sub>60</sub>/Ag(111)"  
Huang H, **Chen Wei\***, Chen S, Qi DC, Gao XY, Wee ATS\*, **Appl. Phys. Lett.** **94**, 163304 (2009).
49. "Synchrotron PES, RPES and NEXAFS studies of self-assembled aromatic thiol monolayers on Au(111)" (invited review article)  
**Chen Wei**, and Wee ATS\*, **J. Electron Spectrosc. Relat. Phenom.** **172**, 59-63 (2009).
48. "LT-STM and NEXAFS Investigation of the Epitaxial Growth of F<sub>16</sub>CuPc Thin Films on graphite" (invited research paper)  
Huang YL, **Chen Wei\***, Chen S, Wee ATS\*, **Appl. Phys. A** **95**, 107-111 (2009).
47. "Controlling the Electronic Structure of Graphene by Organic Molecule"  
Lu YH, **Chen Wei**, He PM, Feng YP\*, **J. Phys. Chem. B.** **113**, 2-5 (2009).

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46. "Bottom-up growth of epitaxial graphene on 6H-SiC(0001)"  
Huang H, **Chen Wei\***, Chen S, Wee ATS\*, **ACS Nano.** **2**, 2513-2518 (2008).
45. "Molecular Orientation Dependent Ionization Potential of Organic Thin Films"  
**Chen Wei\***, Huang H, Chen S, Huang YL, Gao XY, Wee ATS\*, **Chem. Mater.** **20**, 7017-7021 (2008).
44. "Charge Transfer across the Molecule/Metal Interface using the Core Hole Clock Technique" (invited review article)  
Wang L, **Chen Wei**, and Wee ATS\*, **Surf. Sci. Rep.** **63**, 465-486 (2008).
43. "Disorder beneath epitaxial graphene on SiC(0001): An x-ray absorption study"  
Gao XY, Chen S, Liu T, **Chen Wei**, Wee ATS, Nomoto T, Yagi S, Soda K, and Yuhara J, **Phys. Rev. B.** **78**, 202404(R) (2008).
42. "Molecular orientation and energy level alignment at the CuPc/SAMs interfaces" (invited research highlight)  
**Chen Wei**, Chen S, Qi DC, Gao XY, and Wee ATS\*, **Advances in Synchrotron Radiation** **1**, 33-45 (2008).
41. "solution gated epitaxial graphene "  
Ang P, **Chen Wei**, Wee ATS, Loh, KP\*, **J. Am. Chem. Soc.** **130**, 14392-14393 (2008).
40. "Deoxidation of graphene oxide nanosheets to extended graphenites by "unzipping" elimination"  
Chua LL\*, Wang S, Chia P-J, Chen L, Zhao LH, **Chen Wei**, Wee ATS, Ho, PKH, **J. Chem. Phys.** **129**, 114702 (2008)
39. "Low- Temperature Scanning Tunneling Microscopy Investigation of Epitaxial Growth of F<sub>16</sub>CuPc Thin Films on Ag(111)"  
Huang H, **Chen Wei\***, Wee ATS\*, **J. Phys. Chem. C.** **112**, 14913-14918 (2008). **Cover in issue 39 25<sup>th</sup> Sep.**
38. "2D Pentacene:PTCDA supramolecular chiral networks on Ag(111)"  
**Chen Wei\***, Li H, Huang H, Fu YX, Zhang HL, Ma J\*, Wee ATS\*, **J. Am. Chem. Soc.** **130**, 12285-12289 (2008).
37. "Molecular Orientation Transition of Organic Thin Films on Graphite: the Effect of Intermolecular Electrostatic and Interfacial Dispersion Forces"  
**Chen Wei\***, Huang H, Wee ATS\*, **Chemical Communication** 4276-4278 (2008).



36. "Raman studies of monolayer graphene: the substrate effect"  
Wang YY, Ni ZH, Yu T, Shen ZX\*, Wang HM, Wu YH, **Chen Wei**, Wee ATS, *J. Phys. Chem. C*. **112**, 10637 (2008)..
35. "Formation of bismuth nanodot at (4x4) vanadium oxide nanomesh on Pd(111)"  
Hayazaki S, Matsui T, Zhang HL, **Chen Wei**, Wee ATS, and Yuhara J\*, *Surf. Sci.* **602**, 2025–2028 (2008).
34. "Self-Assembled Organic Donor/Acceptor Nanojunction Arrays"  
**Chen Wei\***, Zhang HL, Huang H, Chen L, Wee ATS\*, *Appl. Phys. Lett.* **92**, 193301 (2008) (cover image in the 12<sup>th</sup> May issue). Highlighted by *Nature Nanotechnology* **3**, 375 (2008).
33. "Orientationally ordered C<sub>60</sub> on p-sexiphenyl nanostructures on Ag(111)"  
**Chen Wei\***, Zhang HL, Huang H, Chen L, Wee ATS\*, *ACS Nano* **2**, 693 (2008).
32. "Low-Temperature Scanning Tunneling Microscopy and Near-Edge X-ray Absorption Fine Structure Investigations of Molecular Orientation of Copper(II) Phthalocyanine Thin Films at Organic Heterojunction Interfaces"  
**Chen Wei\***, Huang H, Chen S, Gao XY, Wee ATS\*, *J. Phys. Chem. C*. **112**, 5036 (2008).
31. "Raman spectroscopy of epitaxial graphene on a SiC substrate"  
Ni ZH, **Chen Wei**, Fan XF, Kuo JL, Yu T\*, Wee ATS, Shen ZX\*, *Phys. Rev. B*. **77**, 115416 (2008).
30. "Selective adsorption of L-tartaric acid on gemini-type self-assembled monolayers"  
Qune LFNA, Makino K, Tamada K, **Chen Wei**, and Wee ATS\*, *J. Phys. Chem. C*. **112**, 3049 (2008).
29. "Probing Epitaxial Growth of Graphene on Silicon Carbide by Metal Decoration"  
Poon SW, **Chen Wei**, Tok ES, Wee ATS\*, *Appl. Phys. Lett.* **92**, 104102 (2008).
28. "Preferential trapping of C<sub>60</sub> in nanomesh voids" (communication)  
Zhang HL, **Chen Wei\***, Huang H, Chen L, Wee ATS\*, *J. Am. Chem. Soc.* **130**, 2720 (2008).
27. "Molecular Orientation Dependent Interfacial Dipole at the F<sub>16</sub>CuPc/CuPc Organic Heterojunction Interface"  
**Chen Wei\***, Chen S, Huang H, Qi DC, Gao XY, Wee ATS\*, *Appl. Phys. Lett.* **92**, 063308 (2008).
26. "Tunable arrays of C<sub>60</sub> molecular chains"  
Chen L, **Chen Wei\***, Huang H, Zhang HL, Yuhara J, and Wee ATS\*, *Advanced Materials*. **20**, 484 (2008).
25. "Zigzag" C<sub>60</sub> chain arrays  
Huang H, **Chen Wei\***, Chen L, Zhang HL, Wang XS, Bao SN and Wee ATS\*, *Appl. Phys. Lett.* **92**, 023105 (2008).
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24. "C<sub>60</sub> molecular chain on α-sexithiophene nanostructures"  
Zhang HL, **Chen Wei\***, Chen L, Huang H, Wang XS, Yuhara J, and Wee ATS\*, *Small* **3**, 2015 (2007).
23. "Self-assembly on silicon carbide nanomesh templates" (invited review article)  
**Chen Wei**, and Wee ATS\*, *J. Phys: D. Appl. Phys.* **40**, 6287 (2007).

22. "Molecular Orientation of PTCDA Thin Films at Organic Heterojunction Interfaces"  
**Chen Wei\***, Huang H, Chen S, Chen L, Zhang HL, Gao XY, and Wee ATS\*, **Appl. Phys. Lett.** **91**, 114102 (2007).
21. "Surface Transfer Doping of Diamond (100) by Tetrafluoro-tetracyanoquinodimethane"  
Qi DC, **Chen Wei**, Gao XY\*, Wang L, Chen S, Loh KP, and Wee ATS\*, **J. Am. Chem. Soc.** **129**, 8084 (2007).
20. "Surface transfer p-type doping of epitaxial graphene"  
**Chen Wei\***, Chen S, Qi DC, Gao XY, and Wee ATS\*, **J. Am. Chem. Soc.** **129**, 10418 (2007).
19. "Probing the interaction at the C<sub>60</sub>-SiC nanomesh interface"  
**Chen Wei\***, Chen S, Zhang HL, Xu H, Qi DC, Gao XY, Loh KP, and Wee ATS\*, **Surf. Sci.** **601**, 2994 (2007)..
18. "Surface transfer doping of organic semiconductors using functionalized self-assembled monolayers"  
**Chen Wei**, Gao XY, Qi DC, Chen S, Chen ZK, and Wee ATS\*, **Advanced Functional Materials**, **17**, 1339 (2007).

## 2006

17. "Tuning the hole injection barrier at organic/metal interface with self-assembled functionalized aromatic thiols",  
**Chen Wei**, Huang C, Gao XY, Wang Li, Qi DC, Chen S, Zhang HL, Loh KP, Chen ZK\*, and Wee ATS\*, **J. Phys. Chem. B.** **110**, 26075 (2006).
16. "C<sub>60</sub> on SiC nanomesh"  
**Chen Wei\***, Zhang HL, Xu H, Tok ES, Loh KP, and Wee ATS\*, **J. Phys. Chem. B.** **110**, 21873 (2006).
15. "Configuration-Dependent Interface Charge Transfer at a Molecule-Metal Junction"  
Wang L, Liu L, **Chen Wei**, Feng YP, and Wee ATS\*, **J. Am. Chem. Soc.** **128**, 8003 (2006).
14. "Probing the ultrafast electron transfer at the CuPc/Au(111) interface"  
**Chen Wei**, Wang L, Qi DC, Chen S, Gao XY, and Wee ATS\*, **Appl. Phys. Lett.** **88**, 184102 (2006).
13. "Ultra-Fast Electron Transfer from Oligo(p-phenylene-ethynylene)thiol to Gold"  
Wang L, **Chen Wei**, Huang C, Chen ZK, and Wee ATS\*, **J. Phys. Chem. B.** **110**, 674 (2006).
12. "Effect of functional group (fluorine) of aromatic thiols on the electron transfer at the molecule-metal interface",  
**Chen Wei**, Wang L, Huang C, Lin TT, Gao XY, Loh KP, Chen Zhi Kuan, and Wee ATS\*, **J. Am. Chem. Soc.** **128**, 935 (2006).

## 2005

11. "Atomic structure of the 6H-SiC(0001) nanomesh",  
**Chen Wei**, Xu H, Liu L, Gao XY, Qi DC, Peng GW, Tan SC, Feng YP, Loh KP, and Wee ATS\*, **Surf. Sci.** **596**, 176 (2005). **Perspective article by Rosei F, Surf. Sci.** **600**, 1-5 (2006). **Surface Science Top Cited Article 2005-2010.**

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