

Full List of Publications

Dennis K. P. Ng**1988**

- (1) "Synthesis of Bifluorenylidene-Hinged Crown Ethers by Intramolecular Desulfur-Dimerization Reactions", D. K. P. Ng and T.-Y. Luh,* *Tetrahedron Lett.*, 1988, **29**, 5131-5132.

1989

- (2) "Cyclopropyl Anion as an Allyl Anion Synthone. Novel Synthesis of Butadienes by Nickel-Catalyzed Coupling of Cyclopropyl Grignard Reagents with Dithioacetals", D. K. P. Ng and T.-Y. Luh,* *J. Am. Chem. Soc.*, 1989, **111**, 9119-9121.

1990

- (3) "(Z)-2,2'-Disubstituted Bifluorenylidenes by Intramolecular Desulfurdimerization Reactions", Y. C. Yip, X.-J. Wang, D. K. P. Ng, T. C. W. Mak, P. Chiang and T.-Y. Luh,* *J. Org. Chem.*, 1990, **55**, 1881-1889.
- (4) "Unified Synthesis of Vinylsilanes and Silylated Butadienes. Nickel-Catalyzed Olefination and Silylolefination of Dithioacetals", Z.-J. Ni, P.-F. Yang, D. K. P. Ng, Y.-L. Tzeng and T.-Y. Luh,* *J. Am. Chem. Soc.*, 1990, **112**, 9356-9364.

1992

- (5) "New Synthetic Pathways in η -Cycloheptatrienyl Molybdenum Chemistry", M. L. H. Green,* D. K. P. Ng and R. C. Tovey, *J. Chem. Soc., Chem. Commun.*, 1992, 918-919.
- (6) " η -Cycloheptatrienyl Tungsten Chemistry", M. L. H. Green* and D. K. P. Ng, *J. Chem. Soc., Chem. Commun.*, 1992, 1116-1117.

1993

- (7) "Thiolato-Bridged η -Cycloheptatrienyl Molybdenum Complexes", M. L. H. Green* and D. K. P. Ng, *J. Chem. Soc., Dalton Trans.*, 1993, 11-15.
- (8) " η -1,2,4,6-Tetramethylcycloheptatrienyl Molybdenum Chemistry", M. L. H. Green* and D. K. P. Ng, *J. Chem. Soc., Dalton Trans.*, 1993, 17-21.
- (9) "One-Dimensional Antiferromagnetic Cycloheptatrienyl Molybdenum and Tungsten Compounds", M. L. H. Green,* A. Harrison, P. Mountford and D. K. P.

Ng, *J. Chem. Soc., Dalton Trans.*, 1993, 2215-2221.

- (10) "Synthesis and Reactions of η -Cycloheptatrienyl Derivatives of Molybdenum", M. L. H. Green,* D. K. P. Ng, R. C. Tovey and A. N. Chernega, *J. Chem. Soc., Dalton Trans.*, 1993, 3203-3212.
- (11) "New η -Cycloheptatrienyl Tungsten Compounds and the Intercalation of $[M(\eta-C_7H_7)(\eta-C_5H_4Me)]$ (M = Mo or W) into ZrS_2 ", M. L. H. Green,* D. K. P. Ng and H.-V. Wong, *J. Chem. Soc., Dalton Trans.*, 1993, 3213-3217.
- (12) "Synthesis of a Bridging-Imido η -Cycloheptatrienyl Molybdenum Complex", M. L. H. Green,* W.-H. Leung and D. K. P. Ng, *J. Organomet. Chem.*, 1993, **460**, C4-C5.

1994

- (13) "Nickel-Catalyzed Cross Coupling of Cyclopropyl Grignard Reagents with Benzylic Dithioacetals. Regioselective Ring Opening of Cyclopropylcarbinyl Organometallic Intermediates. Novel Synthesis of Substituted Dienes", C. C. Yu, D. K. P. Ng, B.-L. Chen and T.-Y. Luh,* *Organometallics*, 1994, **13**, 1487-1497.

1995

- (14) "Combined Photoelectron-Photoabsorption Study of (η -Cycloheptatrienyl)(η -cyclopenta-dienyl)tungsten", J. C. Green,* M. L. H. Green, C. N. Field, D. K. P. Ng and S. Yu. Ketkov,* *J. Organomet. Chem.*, 1995, **501**, 107-115.
- (15) "Cycloheptatriene and -enyl Complexes of the Early Transition Metals", M. L. H. Green* and D. K. P. Ng, *Chem. Rev.*, 1995, **95**, 439-473.

1996

- (16) "Organic Optical Limiter with a Strong Nonlinear Absorptive Response", J. W. Perry,* K. Mansour, I.-Y. S. Lee, X.-L. Wu, P. V. Bedworth, C.-T. Chen, D. Ng, S. R. Marder, P. Miles, T. Wade, M. Tian and H. Sasabe, *Science*, 1996, **273**, 1533-1536.
- (17) "Isolation and Spectroscopic Characterization of Heteroleptic, Anionic and Neutral (Phthalocyaninato)(tetra-4-pyridylporphyrinato)lanthanide(III) Double-Deckers", J. Jiang, T. C. W. Mak and D. K. P. Ng,* *Chem. Ber.*, 1996, **129**, 933-936.

1997

- (18) "Synthesis and Spectroscopic Properties of Heteroleptic Sandwich-Type (Phthalocyaninato)(porphyrinato)lanthanide(III) Complexes", J. Jiang, R. L. C.

- Lau, T. W. D. Chan, T. C. W. Mak and D. K. P. Ng,* *Inorg. Chim. Acta*, 1997, **255**, 59-64.
- (19) “Synthesis, Spectroscopic and Electrochemical Properties of Substituted Bis(phthalocyaninato)lanthanide(III) Complexes”, J. Jiang, R. C. W. Liu, T. C. W. Mak, T. W. D. Chan* and D. K. P. Ng,* *Polyhedron*, 1997, **16**, 515-520.
- (20) “Synthesis and Spectroscopic Properties of Octasubstituted (Phthalocyaninato)-titanium(IV) Complexes”, W.-F. Law, R. C. W. Liu, J. Jiang and D. K. P. Ng,* *Inorg. Chim. Acta*, 1997, **256**, 147-150.
- (21) 「不對稱二層及三層三明治金屬卟啉、酞菁配合物的研究進展」，姜建壯*、劉偉、林吉茂和吳基培*，化學通報，第7期，頁14-20〔1997〕。
- (22) “Fourier Transform Ion Cyclotron Resonance Studies of Lanthanide(III) Porphyrin-Phthalocyanine Heteroleptic Sandwich Complexes by Using Electrospray Ionization”, R. L. C. Lau, J. Jiang, D. K. P. Ng and T.-W. D. Chan,* *J. Am. Soc. Mass Spectrom.* 1997, **8**, 161-169.
- (23) “Synthetic Studies of Substituted 2,3-Naphthalocyanines”, Y.-O. Yeung, R. C. W. Liu, W.-F. Law, P.-L. Lau, J. Jiang and D. K. P. Ng,* *Tetrahedron*, 1997, **53**, 9087-9096.
- (24) “Preparation, Solution Behaviour and Electrical Properties of Octasubstituted Phthalocyaninato and 2,3-Naphthalocyaninato Oxotitanium(IV) Complexes”, W.-F. Law, K. M. Lui and D. K. P. Ng,* *J. Mater. Chem.*, 1997, **7**, 2063-2067.
- (25) “Columnar Liquid Crystals Based on 2,3-Naphthalocyanine Core”, D. K. P. Ng,* Y.-O. Yeung, W. K. Chan* and S.-C. Yu, *Tetrahedron Lett.*, 1997, **38**, 6701-6704.
- (26) “Sandwich-Type Heteroleptic Phthalocyaninato and Porphyrinato Metal Complexes”, D. K. P. Ng and J. Jiang, *Chem. Soc. Rev.*, 1997, **26**, 433-442.

1998

- (27) “Heteroleptic Triple-Decker (Phthalocyaninato)(porphyrinato)europium(III) Complexes: Synthesis and Electrochemical Study”, J. Jiang,* W. Liu, W.-F. Law and D. K. P. Ng,* *Inorg. Chim. Acta*, 1998, **268**, 49-53.
- (28) “A New Synthetic Route to Unsymmetrical Bis(phthalocyaninato)europium(III) Complexes”, J. Jiang,* W. Liu, W.-F. Law, J. Lin and D. K. P. Ng,* *Inorg. Chim. Acta*, 1998, **268**, 141-144.
- (29) “Synthesis of Mixed Aza, Oxa and Thia Crown Ethers”, R. C. W. Liu, P.-S. Fung, F. Xue, T. C. W. Mak and D. K. P. Ng,* *J. Chem. Res. (S)*, 1998, 414-415.

- (30) “Facile Synthesis and Nonlinear Optical Properties of Push-Pull 5,15-Diphenylporphyrins”, M. Yeung, A. C. H. Ng, M. G. B. Drew, E. Vorpagel, E. M. Breitung, R. J. McMahon and D. K. P. Ng,* *J. Org. Chem.*, 1998, **63**, 7143-7150.
- (31) “*cis*-Dioxo-Tungsten(VI) and -Molybdenum(VI) Complexes with N₂O₂ Tetradentate Ligands: Synthesis, Structure, Electrochemistry and Oxo-Transfer Properties”, Y.-L. Wong, Y. Yan, E. S. H. Chan, Q. Yang, T. C. W. Mak and D. K. P. Ng,* *J. Chem. Soc., Dalton Trans.*, 1998, 3057-3064.
- (32) “A New Pathway to Heteroleptic Double-Decker (Phthalocyaninato)(porphyrinato)europium(III) Complexes”, J. Jiang,* M. T. M. Choi, W.-F. Law, J. Chen and D. K. P. Ng,* *Polyhedron*, 1998, **17**, 3903-3908.
- (33) 「三明治型金屬卟啉、酞菁配合物分子材料」，姜建壯*、吳基培和謝經雷，大學化學，1998，第13卷，第4期，頁5-11。

1999

- (34) 「對稱的二層及三層三明治型金屬酞菁配合物的研究進展」，姜建壯*、吳基培*、劉偉、謝經雷和孫思修，化學通報，1999，第2期，頁2-10。
- (35) 「三明治型金屬卟啉、酞菁配合物功能材料」，姜建壯*、吳基培、杜大明和孫思修，大學化學，1999，第14卷，第2期，頁5-8。
- (36) “Double-Decker Yttrium(III) Complexes with Phthalocyaninato and Porphyrinato Ligands”, J. Jiang,* J. Xie, M. T. M. Choi, Y. Yan, S. Sun and D. K. P. Ng,* *J. Porphyrins Phthalocyanines*, 1999, **3**, 322-328.
- (37) “Synthesis, Electrochemistry, and Oxygen-Atom Transfer Reactions of Dioxo-Tungsten(VI) and -Molybdenum(VI) Complexes with N₂O₂ and N₂S₂ Tetradentate Ligands”, Y.-L. Wong, J.-F. Ma, W.-F. Law, Y. Yan, W.-T. Wong, Z.-Y. Zhang, T. C. W. Mak and D. K. P. Ng,* *Eur. J. Inorg. Chem.*, 1999, 313-321.
- (38) “Ring-Opening Polymerization of Norbornene by η-Cycloheptatrienyl Molybdenum and Tungsten Complexes”, Y.-O. Yeung, A. C. H. Ng and D. K. P. Ng,* *Inorg. Chim. Acta*, 1999, **288**, 226-228.
- (39) “Synthesis and Spectroscopic Characterization of Heteroleptic Europium(III) Double-Decker Containing 2,3-Naphthalocyaninato and Tetra(4-pyridyl)porphyrinato Ligands”, J. Jiang,* D. Du, M. T. M. Choi, J. Xie and D. K. P. Ng,* *Chem. Lett.*, 1999, 261-262.
- (40) “Synthesis and Photophysical Properties of Nonaggregated Phthalocyanines Bearing Dendritic Substituents”, A. C. H. Ng, X.-y. Li and D. K. P. Ng,* *Macromolecules*, 1999, **32**, 5292-5298.

- (41) “Synthesis and Electrochemistry of Ferrocenylphthalocyanines”, K.-W. Poon, Y. Yan, X.-y. Li and D. K. P. Ng,* *Organometallics*, 1999, **18**, 3528-3533.
- (42) “Dioxotungsten(VI) Complexes with N₂O Tridentate Ligands. Synthesis and Structure of the Chloro and Alkyl Derivatives”, Y.-L. Wong, J.-F. Ma, F. Xue, T. C. W. Mak and D. K. P. Ng,* *Organometallics*, 1999, **18**, 5075-5079.
- (43) “Synthesis, Spectroscopic, and Electrochemical Properties of Homoleptic Bis(Substituted-Phthalocyaninato) Cerium(IV) Complexes”, J. Jiang,* J. Xie, D. K. P. Ng* and Y. Yan, *Mol. Cryst. Liq. Cryst.*, 1999, **337**, 385-388.

2000

- (44) “Metal Tetrapyrrole Double- and Triple-Deckers with Special Emphasis on Porphyrin Systems”, J. W. Buchler and D. K. P. Ng, in *The Porphyrin Handbook*, K. M. Kadish, K. M. Smith and R. Guilard (eds.); Academic Press: San Diego, Vol. 3, 2000, Ch. 20.
- (45) “Synthesis, Spectroscopic, and Electrochemical Properties of Rare Earth Double-Deckers with Tetra(*tert*-butyl)-2,3-naphthalocyaninato Ligands”, J. Jiang,* W. Liu, K.-W. Poon, D. Du, D. P. Arnold and D. K. P. Ng,* *Eur. J. Inorg. Chem.*, 2000, 205-209.
- (46) “Synthesis and Structures of Dioxo-Mo(VI) and -W(VI) Amides”, H. K. Lee,* Y.-L. Wong, Z.-Y. Zhou, Z.-Y. Zhang, D. K. P. Ng and T. C. W. Mak, *J. Chem. Soc., Dalton Trans.*, 2000, 539-544.
- (47) “Influence of Surfactants on the Aggregation Behavior of Water-Soluble Dendritic Phthalocyanines”, X.-y. Li, X. He, A. C. H. Ng, C. Wu and D. K. P. Ng,* *Macromolecules*, 2000, **33**, 2119-2123.
- (48) “Self-Assembly of *meso*-Pyridylporphyrins and Zinc Phthalocyanines Through Axial Coordination”, X.-y. Li and D. K. P. Ng,* *Eur. J. Inorg. Chem.*, 2000, 1845-1848.
- (49) “A Direct Comparison of the Aggregation Behavior of Phthalocyanines and 2,3-Naphthalocyanines”, M. T. M. Choi, P. P. S. Li and D. K. P. Ng,* *Tetrahedron*, 2000, **56**, 3881-3887.

2001

- (50) “Heteroleptic Rare Earth Double-Decker Complexes with Porphyrinato and 2,3-Naphthalocyaninato Ligands. Preparation, Spectroscopic Characterization, and Electrochemical Studies”, J. Jiang,* W. Liu, K.-L. Cheng, K.-W. Poon and D. K. P. Ng,* *Eur. J. Inorg. Chem.*, 2001, 413-417.

- (51) "Synthesis and Spectroscopic Properties of the First Phthalocyanine-Nucleobase Conjugates", X.-y. Li and D. K. P. Ng,* *Tetrahedron Lett.*, 2001, **42**, 305-309.
- (52) "Synthesis, Structure and Oxo-Transfer Properties of Dioxotungsten(VI) Complexes with Pyridine-Based NO and NS Bidentate Ligands", Y.-L. Wong, Q. Yang, Z.-Y. Zhou, H. K. Lee, T. C. W. Mak and D. K. P. Ng,* *New J. Chem.*, 2001, **25**, 353-357.
- (53) "Disstacking of Phthalocyanine in Water by Poly(ethylene oxide)", T. Ngai, G.-z. Zhang, X.-y. Li, D. K. P. Ng and C. Wu,* *Langmuir*, 2001, **17**, 1381-1383.
- (54) "Tetrapyrrole Derivatives Substituted with Ferrocenylethynyl Moieties. Synthesis and Electrochemical Studies", K.-W. Poon, W. Liu, P.-K. Chan, Q. Yang, T.-W. D. Chan, T. C. W. Mak and D. K. P. Ng,* *J. Org. Chem.*, 2001, **66**, 1553-1559.
- (55) "Isolation and Spectroscopic Characterization of Protonated Mixed [Tetrakis(4-pyridyl)porphyrinato](phthalocyaninato) Rare Earth(III) Double-Decker Compounds", J. Jiang,* W. Liu, X. Sun, X. X. Zhang and D. K. P. Ng, *Chem. Res. Chin. Univ.*, 2001, **17**, 134-142.
- (56) "Half-Sandwich Tetrapyrrole Complexes of Rare Earths and Actinides", D. K. P. Ng, J. Jiang, K. Kasuga and K. Machida, in *Handbook on the Physics and Chemistry of Rare Earths*, K. A. Gschneidner, Jr., L. Eyring and G. H. Lander (eds.); Elsevier Science B. V.: Amsterdam, 2001, Vol. 32, Ch. 210.
- (57) "Synthesis, Structure, Spectroscopic Properties, and Electrochemistry of Rare Earth Sandwich Compounds with Mixed 2,3-Naphthalocyaninato and Octaethylporphyrinato Ligands", J. Jiang,* Y. Bian, F. Furuya, W. Liu, M. T. M. Choi, N. Kobayashi,* H.-W. Li, Q. Yang, T. C. W. Mak and D. K. P. Ng,* *Chem. Eur. J.*, 2001, **7**, 5059-5069.
- (58) "Monomerization of Cationic Phthalocyanine in AOT Reversed Micelles", Z. Chen, X.-y. Li, T. Ngai, C. Wu and D. K. P. Ng,* *Langmuir*, 2001, **17**, 7957-7959.

2002

- (59) "Encapsulation of Phthalocyanines in Biodegradable Poly(sebacic anhydride) Nanoparticles", J. Fu, X.-y. Li, D. K. P. Ng* and C. Wu,* *Langmuir*, 2002, **18**, 3843-3847.
- (60) "Transient Absorption and Fluorescence Studies of Disstacking Phthalocyanine by Poly(ethylene oxide)", Z. Sheng, X. Ye, Z. Zheng, S. Yu, D. K. P. Ng, T. Ngai and C. Wu,* *Macromolecules*, 2002, **35**, 3681-3685.
- (61) "Formation and Crystal Structure of an Unexpected Inclusion Complex of a Metal-Free Phthalocyanine and Oxalic Acid", W. Liu, C.-H. Lee, H.-W. Li, C.-K.

- Lam, J. Wang, T. C. W. Mak and D. K. P. Ng,* *Chem. Commun.*, 2002, 628-629.
- (62) “Cerium-Promoted Formation of Metal-Free Phthalocyanines”, C.-H. Lee and D. K. P. Ng,* *Tetrahedron Lett.*, 2002, **43**, 4211-4214.
- (63) “Synthesis and Molecular Structure of a Head-To-Tail [4+4] Dimer of a Hexa-Substituted Anthracene”, M. T. M. Choi, Q. Yang, T. C. W. Mak and D. K. P. Ng,* *J. Chem. Res. (S)*, 2002, 644-646.
- (64) “New Chloro, μ -Oxo, and Alkyl Derivatives of Dioxo-Molybdenum(VI) and -Tungsten(VI) Complexes Chelated with N₂O Tridentate Ligands: Synthesis and Catalytic Activities Toward Olefin Epoxidation”, Y.-L. Wong, D. K. P. Ng* and H. K. Lee,* *Inorg. Chem.*, 2002, **41**, 5276-5285.

2003

- (65) “Preparation and Photophysical Properties of Halogenated Silicon(IV) Phthalocyanines Substituted Axially with Poly(ethylene glycol) Chains”, P.-C. Lo, S. Wang, A. Zeug, M. Meyer, B. Röder and D. K. P. Ng,* *Tetrahedron Lett.*, 2003, **44**, 1967-1970.
- (66) “The Electronic Absorption Characteristics of Mixed Phthalocyaninato Porphyrinato Rare Earth(III) Triple-Deckers M₂(TPyP)₂(Pc)”, X. Sun, X. Cui, D. P. Arnold,* M. T. M. Choi, D. K. P. Ng and J. Jiang,* *Eur. J. Inorg. Chem.*, 2003, 1555-1561.
- (67) “Structural Studies of the Whole Series of Lanthanide Double-Decker Compounds with Mixed 2,3-Naphthalocyaninato and Octaethylporphyrinato Ligands”, Y. Bian, D. Wang, R. Wang, L. Weng, J. Dou, D. Zhao, D. K. P. Ng* and J. Jiang,* *New J. Chem.*, 2003, **27**, 844-849.
- (68) “Synthesis, Spectroscopic Characterisation and Structure of the First Chiral Heteroleptic Bis(phthalocyaninato) Rare Earth Complexes”, Y. Bian, R. Wang, J. Jiang,* C.-H. Lee, J. Wang and D. K. P. Ng,* *Chem. Commun.*, 2003, 1194-1195.
- (69) “New Dimeric Supramolecular Structure of Mixed (Phthalocyaninato)-(porphyrinato)europium(III) Sandwiches: Preparation and Spectroscopic Characteristics”, M. Bai, M. Bao, C. Ma, D. P. Arnold, M. T. M. Choi, D. K. P. Ng* and J. Jiang,* *J. Mater. Chem.*, 2003, **13**, 1333-1339.
- (70) “Dendritic Phthalocyanines: Synthesis, Photophysical Properties, and Aggregation Behavior”, D. K. P. Ng,* *C. R. Chimie*, 2003, **6**, 903-910.
- (71) “Photodynamic Activities of a Dicationic Silicon(IV) Phthalocyanine and its Bovine Serum Albumin Conjugates”, J.-D. Huang, W.-P. Fong,* E. Y. M. Chan, M. T. M. Choi, W.-K. Chan, M.-C. Chan and D. K. P. Ng,* *Tetrahedron Lett.*,

2003, **44**, 8029-8032.

- (72) “Tuning the Valence of the Cerium Center in (Na)phthalocyaninato and Porphyrinato Cerium Double-Deckers by Changing the Nature of the Tetrapyrrole Ligands”, Y. Bian, J. Jiang,* Y. Tao, M. T. M. Choi, R. Li, A. C. H. Ng, P. Zhu, N. Pan, X. Sun, D. P. Arnold, Z.-Y. Zhou, H.-W. Li, T. C. W. Mak and D. K. P. Ng,* *J. Am. Chem. Soc.*, 2003, **125**, 12257-12267.
- (73) “Synthesis, Characterization, Biodegradation, and in vitro Photodynamic Activities of Silicon(IV) Phthalocyanines Conjugated Axially with Poly(ϵ -caprolactone)”, P. P. S. Lee, T. Ngai, J.-D. Huang, C. Wu, W.-P. Fong and D. K. P. Ng,* *Macromolecules*, 2003, **36**, 7527-7533.

2004

- (74) “Synthesis, Spectroscopic Properties, and Structure of Tetrakis(2,4-dimethyl-3-pentyloxy)phthalocyaninato Metal Complexes”, W. Liu, C.-H. Lee, T. C. W. Mak and D. K. P. Ng,* *Eur. J. Inorg. Chem.*, 2004, 286-292.
- (75) “Halogenated Silicon(IV) Phthalocyanines with Axial Poly(ethylene glycol) Chains – Synthesis, Spectroscopic Properties, Complexation with Bovine Serum Albumin, and in vitro Photodynamic Activities”, J.-D. Huang, S. Wang, P.-C. Lo, W.-P. Fong, W.-H. Ko and D. K. P. Ng,* *New J. Chem.*, 2004, **28**, 348-354.
- (76) “Synthesis and Characterization of *meso*-Ferrocenylethynyl 5,15-Diphenylporphyrins”, K.-L. Cheng, H.-W. Li and D. K. P. Ng,* *J. Organomet. Chem.*, 2004, **689**, 1593-1598.
- (77) “The First Slipped Pseudo-Quadruple-Decker Complex of Phthalocyanines”, H. Zhang, R. Wang, P. Zhu, Z. Lai, J. Han, C.-F. Choi, D. K. P. Ng,* X. Cui, C. Ma and J. Jiang,* *Inorg. Chem.*, 2004, **43**, 4740-4742.
- (78) “Assembling Tetrapyrrole Derivatives Through Axial Coordination”, M. T. M. Choi, C.-F. Choi and D. K. P. Ng,* *Tetrahedron*, 2004, **60**, 6889-6894.
- (79) “Synthesis, Spectroscopic Properties, and Electrochemistry of Heteroleptic Rare Earth Double-Decker Complexes with Phthalocyaninato and *meso*-Tetrakis(4-chlorophenyl)- porphyrinato Ligands”, F. Lu, X. Sun, R. Li, D. Liang, P. Zhu, C.-F. Choi, D. K. P. Ng,* T. Fukuda, N. Kobayashi, M. Bai, C. Ma and J. Jiang,* *New J. Chem.*, 2004, **28**, 1116-1122.
- (80) “Formation and Degradation of Poly(D,L-lactide) Nanoparticles and their Potential Application as Controllable Releasing Devices”, Y. Zhao,* J. Fu, D. K. P. Ng and C. Wu, *Macromol. Biosci.*, 2004, **4**, 901-906.
- (81) “Synthesis and Characterization of Mixed Phthalocyaninato and *meso*-Tetrakis(4-

- chlorophenyl)porphyrinato Triple-Decker Complexes. Revealing the Origin of their Electronic Absorptions”, X. Sun, R. Li, D. Wang, J. Dou, P. Zhu, F. Lu, C. Ma, C.-F. Choi, D. Y. Y. Cheng, D. K. P. Ng, N. Kobayashi and J. Jiang,* *Eur. J. Inorg. Chem.*, 2004, 3806-3813.
- (82) “New Amphiphilic Silicon(IV) Phthalocyanines as Efficient Photosensitizers for Photodynamic Therapy: Synthesis, Photophysical Properties, and in vitro Photodynamic Activities”, P.-C. Lo, J.-D. Huang, D. Y. Y. Cheng, E. Y. M. Chan, W.-P. Fong, W.-H. Ko and D. K. P. Ng,* *Chem. Eur. J.*, 2004, **10**, 4831-4838.
- (83) “Synthesis and in vitro Photodynamic Activity of New Hexadeca-Carboxy Phthalocyanines”, C.-F. Choi, P.-T. Tsang, J.-D. Huang, E. Y. M. Chan, W.-H. Ko, W.-P. Fong* and D. K. P. Ng,* *Chem. Commun.*, 2004, 2236-2237.
- (84) “Synthesis, Structure, Spectroscopic and Electrochemical Properties of Heteroleptic Bis(phthalocyaninato) Rare Earth Complexes with a C_4 Symmetry”, Y. Bian, R. Wang, D. Wang, P. Zhu, R. Li, J. Dou, W. Liu, C.-F. Choi, H.-S. Chan, C. Ma,* D. K. P. Ng* and J. Jiang,* *Helv. Chim. Acta*, 2004, **87**, 2581-2596.
- (85) “Synthesis, Structure, Spectroscopic Properties, and Electrochemistry of (1,8,15,22-Tetrasubstituted phthalocyaninato)lead Complexes”, Y. Bian, L. Li, J. Dou, D. Y. Y. Cheng, R. Li, C. Ma, D. K. P. Ng, N. Kobayashi and J. Jiang,* *Inorg. Chem.*, 2004, **43**, 7539-7544.
- 2005**
- (86) “Synthesis, Characterization, and Degradation of Silicon(IV) Phthalocyanines Conjugated Axially with Poly(sebacic anhydride)”, P. P. S. Lee, T. Ngai, C. Yang, C. Wu and D. K. P. Ng,* *J. Polym. Sci. Part A: Polym. Chem.*, 2005, **43**, 837-843.
- (87) “Electron-Donating Alkoxy-Group-Driven Synthesis of Heteroleptic Tris(phthalocyaninato) Lanthanide(III) Triple-Deckers with Symmetrical Molecular Structure”, P. Zhu, N. Pan, R. Li, J. Dou, Y. Zhang, D. Y. Y. Cheng, D. Wang, D. K. P. Ng and J. Jiang,* *Chem. Eur. J.*, 2005, **11**, 1425-1432.
- (88) “Synthesis and in vitro Photodynamic Activity of Novel Galactose-Containing Phthalocyanines”, P. P. S. Lee, P.-C. Lo, E. Y. M. Chan, W.-P. Fong, W.-H. Ko and D. K. P. Ng,* *Tetrahedron Lett.*, 2005, **46**, 1551-1554.
- (89) “Heteroleptic Rare Earth Double-Decker Complexes with Naphthalocyaninato and Phthalocyaninato Ligands. General Synthesis, Spectroscopic, and Electrochemical Characteristics”, R. Wang, Y. Li, R. Li, D. Y. Y. Cheng, P. Zhu, D. K. P. Ng, M. Bao, X. Cui, N. Kobayashi and J. Jiang,* *Inorg. Chem.*, 2005, **44**, 2114-2120.
- (90) “Phthalocyanine Synthesis in Ionic Liquids. Preparation of Differently Substituted

- Phthalocyanines in Tetrabutylammonium Bromide”, P.-C. Lo, D. Y. Y. Cheng and D. K. P. Ng, *Synthesis*, 2005, 1141-1147.
- (91) “Synthetic, Structural, Spectroscopic, and Electrochemical Studies of Heteroleptic Tris(phthalocyaninato) Rare Earth Complexes”, Y. Bian, L. Li, D. Wang, C.-F. Choi, D. Y. Y. Cheng, P. Zhu, R. Li, J. Dou, R. Wang, N. Pan, D. K. P. Ng, N. Kobayashi and J. Jiang, *Eur. J. Inorg. Chem.*, 2005, 2612-2618.
- (92) “Fluorescence Anisotropy and Transient Absorption of Halogenated Silicon(IV) Phthalocyanines with Axial Poly(ethylene glycol) Substituents”, A. Zeug, M. Meyer, P.-C. Lo, D. K. P. Ng and B. Röder,* *J. Porphyrins Phthalocyanines*, 2005, **9**, 298-302.
- (93) “Studies of “Pinwheel-Like” Bis[1,8,15,22-tetrakis(3-pentyloxy)phthalocyaninato] Rare Earth(III) Double-Decker Complexes”, R. Wang, R. Li, Y. Bian, C.-F. Choi, D. K. P. Ng,* J. Dou, D. Wang, P. Zhu, C. Ma, R. D. Hartnell, D. P. Arnold and J. Jiang,* *Chem. Eur. J.*, 2005, **11**, 7351-7357.

2006

- (94) “Controlling the Nature of Mixed (Phthalocyaninato)(porphyrinato) Rare Earth(III) Double-Decker Complexes: The Effects of Nonperipheral Alkoxy Substitution of the Phthalocyanine Ligand”, R. Wang, R. Li, Y. Li, X. Zhang, P. Zhu, P.-C. Lo, D. K. P. Ng,* N. Pan, C. Ma, N. Kobayashi and J. Jiang,* *Chem. Eur. J.*, 2006, **12**, 1475-1485.
- (95) “Electron-Donating or -Withdrawing Nature of Substituents Revealed by the Electrochemistry of Metal-Free Phthalocyanines”, R. Li, X. Zhang, P. Zhu, D. K. P. Ng, N. Kobayashi and J. Jiang,* *Inorg. Chem.*, 2006, **45**, 2327-2334.
- (96) “BAM-SiPc, A Novel Agent for Photodynamic Therapy, Induces Apoptosis in Human Hepatocarcinoma HepG2 Cells by a Direct Mitochondrial Action”, J. C. Lai, P.-C. Lo, D. K. P. Ng, W.-H. Ko, S. C. H. Leung, K.-P. Fung and W.-P. Fong,* *Cancer Biol. Ther.*, 2006, **5**, 413-418.
- (97) “Preparation and in vitro Photodynamic Activities of Novel Axially Substituted Silicon(IV) Phthalocyanines and their Bovine Serum Albumin Conjugates”, X.-J. Jiang, J.-D. Huang,* Y.-J. Zhu, F.-X. Tang, D. K. P. Ng and J.-C. Sun, *Bioorg. Med. Chem. Lett.*, 2006, **16**, 2450-2453.
- (98) “Heteroleptic Bis(phthalocyaninato) Europium(III) Complexes Fused with Different Numbers of 15-Crown-5 Moieties. Synthesis, Spectroscopy, Electrochemistry, and Supramolecular Structure”, N. Sheng, R. Li, C.-F. Choi, W. Su, D. K. P. Ng, X. Cui, K. Yoshida, N. Kobayashi and J. Jiang,* *Inorg. Chem.*, 2006, **45**, 3794-3802.

- (99) "Preparation and in vitro Photodynamic Activity of Novel Silicon(IV) Phthalocyanines Conjugated to Serum Albumins", J.-D. Huang, P.-C. Lo, Y.-M. Chen, J. C. Lai, W.-P. Fong and D. K. P. Ng,* *J. Inorg. Biochem.*, 2006, **100**, 946-951.
- (100) 「十六羧酸基酞菁鋅光敏劑與白蛋白相互作用的光譜研究及複合物的製備」，陳燕梅、黃劍東*、劉豐冉、孫瑞卿、吳基培，光譜學與光譜分析，2006,第26卷，第8期，頁1387-1391。
- (101) "Lanthanide(III) Double-Decker Complexes with Octaphenoxy- or Octathiophenoxyphthalocyaninato Ligands – Revealing the Electron-Withdrawing Nature of the Phenoxy and Thiophenoxy Groups in the Double-Decker Complexes", G. Lu, M. Bai, R. Li, X. Zhang, C. Ma, P.-C. Lo, D. K. P. Ng and J. Jiang,* *Eur. J. Inorg. Chem.*, 2006, 3703-3709.
- (102) "Photoinduced Electron and Energy Transfer in a New Porphyrin-Phthalocyanine Triad", E. A. Ermilov,* S. Tannert, T. Werncke, M. T. M. Choi, D. K. P. Ng and B. Röder, *Chem. Phys.*, 2006, **328**, 428-437.

2007

- (103) "Assembling a Mixed Phthalocyanine-Porphyrin Array in Aqueous Media through Host-Guest Interactions", X. Leng, C.-F. Choi, P.-C. Lo and D. K. P. Ng,* *Org. Lett.*, 2007, **9**, 231-234.
- (104) "Synthesis and in vitro Photodynamic Activity of Mono-substituted Amphiphilic Zinc(II) Phthalocyanines", P.-C. Lo, B. Zhao, W. Duan, W.-P. Fong, W.-H. Ko and D. K. P. Ng,* *Bioorg. Med. Chem. Lett.*, 2007, **17**, 1073-1077.
- (105) "Highly Photocytotoxic Glucosylated Silicon(IV) Phthalocyanines. Effects of Peripheral Chloro Substitution on the Photophysical and Photodynamic Properties", P.-C. Lo, C. M. H. Chan, J.-Y. Liu, W.-P. Fong and D. K. P. Ng,* *J. Med. Chem.*, 2007, **50**, 2100-2107.
- (106) "Porphyrin-Appended Europium(III) Bis(phthalocyaninato) Complexes: Synthesis, Characterization, and Photophysical Properties", Y. Bian, X. Chen, D. Wang, C.-F. Choi, Y. Zhou, P. Zhu, D. K. P. Ng, J. Jiang,* Y. Weng* and X. Li,* *Chem. Eur. J.*, 2007, **13**, 4169-4177.
- (107) "Photodynamic Effects of a Novel Series of Silicon(IV) Phthalocyanines Against Human Colon Adenocarcinoma Cells", P.-C. Lo, S. C. H. Leung, E. Y. M. Chan, W.-P. Fong, W.-H. Ko and D. K. P. Ng,* *Photodiag. Photodyn. Ther.*, 2007, **4**, 117-123.
- (108) "Host-Guest Interactions of 4-Carboxyphenoxy Phthalocyanines and β -Cyclodextrins in Aqueous Media", X. Leng, C.-F. Choi, H.-B. Luo, Y.-K. Cheng

- and D. K. P. Ng,* *Org. Lett.*, 2007, **9**, 2497-2500.
- (109) “The Influence of Solvent Polarity and Metalation on Energy and Electron Transfer in Porphyrin-Phthalocyanine Heterotrimers”, S. Tannert, E. A. Ermilov,* J. O. Vogel, M. T. M. Choi, D. K. P. Ng* and B. Röder, *J. Phys. Chem. B*, 2007, **111**, 8053-8062.
- (110) “Hetero-Arrays of Porphyrins and Phthalocyanines”, P.-C. Lo, X. Leng and D. K. P. Ng,* *Coord. Chem. Rev.*, 2007, **251**, 2334-2353.
- (111) “Axial Coordination of Cobalt(II) Porphyrins with Bis(pyridinolato) Silicon(IV) Phthalocyanines,” X. Leng and D. K. P. Ng,* *Eur. J. Inorg. Chem.*, 2007, 4615-4620.
- (112) “Synthesis, Photophysical Properties and in vitro Photodynamic Activity of Axially Substituted Subphthalocyanines”, H. Xu, X.-J. Jiang, E. Y. M. Chan, W.-P. Fong and D. K. P. Ng,* *Org. Biomol. Chem.*, 2007, **5**, 3987-3992.

2008

- (113) “Synthesis, Characterization, and in vitro Photodynamic Activity of Novel Amphiphilic Zinc(II) Phthalocyanines Bearing Oxyethylene-Rich Substituents”, J.-Y. Liu, X.-J. Jiang, W.-P. Fong and D. K. P. Ng,* *Metal Based Drugs*, 2008, Article ID 284691.
- (114) “Photodynamic Activity of BAM-SiPc, an Unsymmetrical Bisamino Silicon(IV) Phthalocyanine, in Tumour-Bearing Nude Mice”, S. C. H. Leung, P.-C. Lo, D. K. P. Ng, W.-K. Liu, K.-P. Fung and W.-P. Fong,* *Br. J. Pharm.*, 2008, **154**, 4-12.
- (115) “Glycosylated Zinc(II) Phthalocyanines as Efficient Photosensitisers for Photodynamic Therapy. Synthesis, Photophysical Properties and in vitro Photodynamic Activity”, C.-F. Choi, J.-D. Huang, P.-C. Lo, W.-P. Fong and D. K. P. Ng,* *Org. Biomol. Chem.*, 2008, **6**, 2173-2181.
- (116) “Effects of Peripheral Chloro Substitution on the Photophysical Properties and in vitro Photodynamic Activities of Galactose-Conjugated Silicon(IV) Phthalocyanines”, P.-C. Lo, W.-P. Fong and D. K. P. Ng,* *ChemMedChem*, 2008, **3**, 1110-1117.
- (117) “Construction of Subphthalocyanine-Porphyrin and Subphthalocyanine-Phthalocyanine Hetero-Dyads through Axial Coordination”, H. Xu and D. K. P. Ng, *Inorg. Chem.*, 2008, **47**, 7921-7927.
- (118) “Highly Photocytotoxic 1,4-Dipeglylated Zinc(II) Phthalocyanines. Effects of the Chain Length on the in vitro Photodynamic Activities”, J.-Y. Liu, X.-J. Jiang, W.-P. Fong and D. K. P. Ng,* *Org. Biomol. Chem.*, 2008, **6**, 4560-4566.

- (119) “Highly Efficient Energy Transfer in Subphthalocyanine-BODIPY Conjugates”, J.-Y. Liu, H.-S. Yeung, W. Xu, X. Li and D. K. P. Ng,* *Org. Lett.*, 2008, **10**, 5421-5424.

2009

- (120) “Preparation, Spectroscopic Properties, and Stability of Water-Soluble Subphthalocyanines”, H. Xu and D. K. P. Ng,* *Chem. Asian J.*, 2009, **4**, 104-110.
- (121) “A Decade Journey in the Chemistry of Sandwich-Type Tetrapyrrolo Rare Earth Complexes”, J. Jiang and D. K. P. Ng, *Acc. Chem. Res.*, 2009, **42**, 79-88.
- (122) “Switching the Photo-induced Energy and Electron Transfer Processes in BODIPY-Phthalocyanine Conjugates”, J.-Y. Liu, E. A. Ermilov, B. Röder and D. K. P. Ng,* *Chem. Commun.*, 2009, 1517-1519.
- (123) “Effects of the Number and Position of the Substituents on the in vitro Photodynamic Activities of Glucosylated Zinc(II) Phthalocyanines”, J.-Y. Liu, P.-C. Lo, W.-P. Fong and D. K. P. Ng,* *Org. Biomol. Chem.*, 2009, **7**, 1583-1591.
- (124) “Synthesis and in vitro Photodynamic Activities of Di- α -Substituted Zinc(II) Phthalocyanine Derivatives”, J.-Y. Liu, P.-C. Lo, X.-J. Jiang, W.-P. Fong and D. K. P. Ng,* *Dalton Trans.*, 2009, 4129-4135, with a front cover in that issue.
- (125) “Efficient and Recyclable Phthalocyanine-Based Sensitizers for Photooxygenation Reactions”, H. Xu, W.-K. Chan and D. K. P. Ng,* *Synthesis*, 2009, 1791-1796.
- (126) “Spectroscopic Study of Electron and Energy Transfer in Novel Silicon Phthalocyanine – Boron Dipyrromethene Triads”, E. A. Ermilov,* J.-Y. Liu, D. K. P. Ng and B. Röder, *Phys. Chem. Chem. Phys.*, 2009, **11**, 6430-6440.

2010

- (127) “Phthalocyanine-Containing Supramolecular Arrays”, J.-Y. Liu, P.-C. Lo and D. K. P. Ng,* *Struct. Bond.*, 2010, **135**, 169-210.
- (128) “Preparation and in vitro Photodynamic Activity of Amphiphilic Zinc(II) Phthalocyanines Substituted with 2-(Dimethylamino)ethylthio Moieties and their N-Alkylated Derivatives”, W. Duan, P.-C. Lo, L. Duan, W.-P. Fong and D. K. P. Ng,* *Bioorg. Med. Chem.*, 2010, **18**, 2672-2677.
- (129) “Phthalocyanine-Polyamine Conjugates as pH-Controlled Photosensitizers for Photodynamic Therapy”, X.-J. Jiang, P.-C. Lo, Y.-M. Tsang, S.-L. Yeung, W.-P. Fong and D. K. P. Ng,* *Chem. Eur. J.*, 2010, **16**, 4777-4783.

- (130) "A pH-Responsive Fluorescence Probe and Photosensitizer Based on a Tetraamino Silicon(IV) Phthalocyanine", X.-J. Jiang, P.-C. Lo, S.-L. Yeung, W.-P. Fong and D. K. P. Ng,* *Chem. Commun.*, 2010, **46**, 3188-3190.
- (131) "New Dioxo-Molybdenum(VI) and -Tungsten(VI) Complexes with *N*-capped Tripodal N₂O₂ Tetradentate Ligands: Synthesis, Structures and Catalytic Activities Towards Olefin Epoxidation", Y.-L. Wong, L. H. Tong, J. R. Dilworth,* D. K. P. Ng* and H. K. Lee,* *Dalton Trans.*, 2010, **39**, 4602-4611.
- (132) "Photodynamic Activity of a Glucoconjugated Silicon(IV) Phthalocyanine on Human Colon Adenocarcinoma", C. M. H. Chan, P.-C. Lo, S.-L. Yeung, D. K. P. Ng and W.-P. Fong,* *Cancer Biol. Ther.*, 2010, **10**, 126-134.
- (133) "Formation and Energy Transfer Property of a Subphthalocyanine-Porphyrin Complex Held by Host-Guest Interactions", H. Xu, E. A. Ermilov, B. Röder and D. K. P. Ng,* *Phys. Chem. Chem. Phys.*, 2010, **12**, 7366-7370.

2011

- (134) "Photoinduced Electron Transfer in a Distyryl BODIPY-Fullerene Dyad", J.-Y. Liu, M. E. El-Khouly, S. Fukuzumi* and D. K. P. Ng,* *Chem. Asian J.*, 2011, **6**, 174-179.
- (135) "Phthalocyanine-Polyamine Conjugates as Highly Efficient Photosensitizers for Photodynamic Therapy", X.-J. Jiang, S.-L. Yeung, P.-C. Lo,* W.-P. Fong* and D. K. P. Ng,* *J. Med. Chem.*, 2011, **54**, 320-330.
- (136) "Mimicking Photosynthetic Antenna-Reaction-Center Complexes with a (Boron Dipyrrromethene)₃-Porphyrin-C₆₀ Pentad", J.-Y. Liu, M. E. El-Khouly, S. Fukuzumi* and D. K. P. Ng,* *Chem. Eur. J.*, 2011, **17**, 1605-1613.
- (137) "A Ratiometric Near-infrared pH-Responsive Fluorescent Dye Based on Distyryl BODIPY", H. He and D. K. P. Ng,* *Org. Biomol. Chem.*, 2011, **9**, 2610-2613.
- (138) "Preparation of Unsymmetrical Distyryl BODIPY Derivatives and Effects of the Styryl Substituents on their in vitro Photodynamic Properties", H. He, P.-C. Lo,* S.-L. Yeung, W.-P. Fong and D. K. P. Ng,* *Chem. Commun.*, 2011, **47**, 4748-4750.
- (139) "Synthesis and in vitro Photodynamic Activities of Pegylated Distyryl Boron Dipyrrromethene Derivatives", H. He, P.-C. Lo,* S.-L. Yeung, W.-P. Fong and D. K. P. Ng,* *J. Med. Chem.*, 2011, **54**, 3097-3102.
- (140) "Preparation and Photodynamic Activities of Silicon(IV) Phthalocyanines Substituted with Permethylated β -Cyclodextrins", J. T. F. Lau, P.-C. Lo, W.-P.

- Fong and D. K. P. Ng,* *Chem. Eur. J.*, 2011, **17**, 7569-7577.
- (141) “Unsymmetrical β -Cyclodextrin-Conjugated Silicon(IV) Phthalocyanines as Highly Potent Photosensitisers for Photodynamic Therapy”, J. T. F. Lau, P.-C. Lo, Y.-M. Tsang, W.-P. Fong and D. K. P. Ng,* *Chem. Commun.*, 2011, **47**, 9657-9659.
- (142) “Facile Synthesis of Pegylated Zinc(II) Phthalocyanines via Transesterification and their in vitro Photodynamic Activities”, M. Bai, P.-C. Lo, J. Ye, C. Wu, W.-P. Fong and D. K. P. Ng,* *Org. Biomol. Chem.*, 2011, **9**, 7028-7032.
- (143) “Switching the Photoinduced Processes in Host-Guest Complexes of β -Cyclodextrin-Substituted Silicon(IV) Phthalocyanines and a Tetrasulfonated Porphyrin”, E. A. Ermilov,* R. Menting, J. T. F. Lau, X. Leng, B. Röder and D. K. P. Ng,* *Phys. Chem. Chem. Phys.*, 2011, **13**, 17633-17641.

2012

- (144) “A Highly Selective Colorimetric and Fluorescent Probe for Cu^{2+} and Hg^{2+} Ions Based on a Distyryl BODIPY with Two Bis(1,2,3-triazole)amino Receptors”, W.-J. Shi, J.-Y. Liu and D. K. P. Ng,* *Chem. Asian J.*, 2012, **7**, 196-200.
- (145) “A Highly Selective and Sensitive BODIPY-Based Colourimetric and Turn-On Fluorescent Sensor for Hg^{2+} Ions”, X.-J. Jiang, C.-L. Wong, P.-C. Lo and D. K. P. Ng,* *Dalton Trans.*, 2012, **41**, 1801-1807.
- (146) “A Phthalocyanine-Peptide Conjugate with High In Vitro Photodynamic Activity and Enhanced In Vivo Tumor-Retention Property”, M.-R. Ke, S.-L. Yeung, W.-P. Fong, D. K. P. Ng* and P.-C. Lo,* *Chem. Eur. J.*, 2012, **18**, 4225-4233.
- (147) “Formation and Photoinduced Processes of a Self-Assembled Subphthalocyanine-Porphyrin-Phthalocyanine Supramolecular Complex,” R. Menting,* J. T. F. Lau, H. Xu, D. K. P. Ng, B. Röder and E. A. Ermilov, *Chem. Commun.*, 2012, **48**, 4597-4599.
- (148) “Photoinduced Electron Transfer in a Ferrocene-Distyryl BODIPY Dyad and a Ferrocene-Distyryl BODIPY- C_{60} Triad,” J.-Y. Liu, M. E. El-Khouly, S. Fukuzumi* and D. K. P. Ng,* *ChemPhysChem*, 2012, **13**, 2030-3036.
- (149) “A Zinc(II) Phthalocyanine Conjugated with an Oxaliplatin Derivative for Dual Chemo- and Photodynamic Therapy,” J. T. F. Lau, P.-C. Lo,* W.-P. Fong and D. K. P. Ng,* *J. Med. Chem.*, 2012, **55**, 5446-5454.
- (150) “Bioconjugation of Phthalocyanine Derivatives”, P.-C. Lo, J. T. F. Lau and D. K. P. Ng,* in *Handbook of Porphyrin Science*, K. M. Kadish, K. M. Smith and R. Guilard (eds.); World Scientific: New Jersey, Vol. 18, 2012, Ch. 84.

- (151) "A pH-Responsive Fluorescent Probe and Photosensitizer Based on a Self-Quenched Phthalocyanine Dimer", M.-R. Ke, D. K. P. Ng* and P.-C. Lo,* *Chem. Commun.*, 2012, **48**, 9065-9067.
- (152) "Constructing Sandwich-Type Rare Earth Double-Decker Complexes with N-Confused Porphyrinato and Phthalocyaninato Ligands", W. Cao, H. Wang, X. Wang, H.-K. Lee, D. K. P. Ng* and J. Jiang,* *Inorg. Chem.*, 2012, **51**, 9265-9272.
- (153) "Synthesis and Second-Order Nonlinear Optical Properties of Push-Pull BODIPY Derivatives", W.-J. Shi, P.-C. Lo, A. Singh, I. Ledoux-Rax and D. K. P. Ng,* *Tetrahedron*, 2012, **68**, 8712-8718.
- (154) "Sequential Energy and Charge Transfer Processes in Mixed Host-Guest Complexes of Subphthalocyanine, Porphyrin and Phthalocyanine Chromophores", R. Menting, D. K. P. Ng, B. Röder and E. A. Ermilov,* *Phys. Chem. Chem. Phys.*, 2012, **14**, 14573-14584.

2013

- (155) "Mono-PEGylated Zinc(II) Phthalocyanines: Preparation, Nanoparticle Formation, and In Vitro Photodynamic Activity", B. Zhao, W. Duan, P.-C. Lo, L. Duan, C. Wu and D. K. P. Ng,* *Chem. Asian J.*, 2013, **8**, 55-59.
- (156) "A Phthalocyanine-Based Fluorescent Sensor for Zn²⁺ Ion", H. He, J.-Y. Liu and D. K. P. Ng,* *J. Porphyrins Phthalocyanines*, 2013, **17**, 99-103.
- (157) "A Boron Dipyrromethene-Phthalocyanine Pentad as an Artificial Photosynthetic Model", J.-Y. Liu, Y. Huang, R. Menting, B. Röder, E. A. Ermilov and D. K. P. Ng,* *Chem. Commun.*, 2013, **49**, 2998-3000.
- (158) "A Disulfide-Linked Conjugate of Ferrocenyl Chalcone and Silicon(IV) Phthalocyanine as an Activatable Photosensitizer", J. T. F. Lau, X.-J. Jiang, D. K. P. Ng and P.-C. Lo,* *Chem. Commun.*, 2013, **49**, 4274-4276.
- (159) "Photoinduced Energy and Charge Transfer in a *p*-Phenylene-Linked Dyad of Boron Dipyrromethene and Monostyryl Boron Dipyrromethene", R. Menting, J.-Y. Liu, Y. Huang, D. K. P. Ng, B. Röder and E. A. Ermilov,* *Phys. Chem. Chem. Phys.*, 2013, **15**, 6912-6919.
- (160) "Preparation and Photophysical Properties of Tetraethylene Glycol-Linked Phthalocyanine-Porphyrin Dyad and Triad", E. A. Ermilov,* X. Leng, B. Röder and D. K. P. Ng,* *New J. Chem.*, 2013, **37**, 1746-1752.
- (161) "Formation and Photoinduced Processes of the Host-Guest Complexes of a β -Cyclodextrin-Conjugated Aza-BODIPY and Tetrasulfonated Porphyrins", W.-J

- Shi, R. Menting, E. A. Ermilov, P.-C. Lo, B. Röder and D. K. P. Ng,* *Chem. Commun.*, 2013, **49**, 5277-5279.
- (162) “Differential Detection of Zn²⁺ and Cd²⁺ Ions by BODIPY-Based Fluorescent Sensors”, H. He and D. K. P. Ng,* *Chem. Asian J.*, 2013, **8**, 1441-1446.
- (163) “Photosynthetic Antenna-Reaction Center Mimicry with a Covalently Linked Monostyryl Boron-Dipyrromethene–Aza-Boron-Dipyrromethene–C₆₀ Triad”, W.-J. Shi, M. E. El-Khouly,* K. Ohkubo, S. Fukuzumi* and D. K. P. Ng,* *Chem. Eur. J.*, 2013, **19**, 11332-11341.
- (164) “A Light-Harvesting Porphyrin-Boron Dipyrromethene Conjugate”, J.-Y. Liu, E. A. Ermilov, B. Röder and D. K. P. Ng,* *J. Porphyrins Phthalocyanines*, 2013, **17**, 831-835.
- (165) “Preparation and in Vitro Photodynamic Activities of Folate-Conjugated Distyryl Boron Dipyrromethene Based Photosensitizers”, M.-R. Ke, S.-L. Yeung, D. K. P. Ng,* W.-P. Fong and P.-C. Lo,* *J. Med. Chem.*, 2013, **56**, 8475-8483.

2014

- (166) “Synthesis and In Vitro Photodynamic Activities of an Integrin-Targeting cRGD-Conjugated Zinc(II) Phthalocyanine”, M.-R. Ke, D. K. P. Ng* and P.-C. Lo,* *Chem. Asian J.*, 2014, **9**, 554-561.
- (167) “A Glutathione-Activated Phthalocyanine-Based Photosensitizer for Photodynamic Therapy”, H. He, P.-C. Lo* and D. K. P. Ng,* *Chem. Eur. J.*, 2014, **20**, 6241-6245, with a front cover in that issue and a Cover Profile in p. 6201.
- (168) “A Dual Activatable Photosensitizer Toward Targeted Photodynamic Therapy”, J. T. F. Lau, P.-C. Lo,* X.-J. Jiang, Q. Wang and D. K. P. Ng,* *J. Med. Chem.*, 2014, **57**, 4088-4097.
- (169) “Oligolysine-Conjugated Zinc(II) Phthalocyanines as Efficient Photosensitizers for Antimicrobial Photodynamic Therapy”, M.-R. Ke, J. M. Eastel, K. L. K. Ngai, Y.-Y. Cheung, P. K. S. Chan, M. Hui,* D. K. P. Ng* and P.-C. Lo,* *Chem. Asian J.*, 2014, **9**, 1868-1875.
- (170) “Photodynamic Inactivation of Bacteria and Viruses Using Two Monosubstituted Zinc(II) Phthalocyanines”, M.-R. Ke, J. M. Eastel, K. L. K. Ngai, Y.-Y. Cheung, P. K. S. Chan, M. Hui,* D. K. P. Ng* and P.-C. Lo,* *Eur. J. Med. Chem.* 2014, **84**, 278-283.
- (171) “Sequential Logic Operations with a Molecular Keypad Lock with Four Inputs and Dual Fluorescence Outputs”, X.-J. Jiang and D. K. P. Ng,* *Angew. Chem. Int. Ed.*, 2014, **53**, 10481-10484.

- (172) “Phthalocyanine-Based Photosensitizers: More Efficient Photodynamic Therapy”, D. K. P. Ng,* *Future Med. Chem.*, 2014, **6**, 1991-1993, as an Editorial article.
- (173) “Photodynamic Therapy”, W.-P. Fong,* H.-Y. Yeung, P.-C. Lo and D. K. P. Ng, in *Handbook of Photonics for Biomedical Engineering*, A. H.-P. Ho, D. Kim and M. G. Somekh (eds.); Springer Netherlands, 2014.

2015

- (174) “Development of Smart Photosensitizers for Photodynamic Therapy”, P.-C. Lo, X.-J. Jiang, J. T. F. Lau, H. He, M.-R. Ke and D. K. P. Ng,* *Photon. Lasers Med.*, 2015, **4**, 344-346.

2016

- (175) “Aminophthalocyanine-Mediated Photodynamic Inactivation of *Leishmania Tropica*”, A. Al-Qahtani, S. Alkahtani, B. Kolli, P. Tripathi, S. Dutta, A. A. Al-Kahtane, X.-J. Jiang, D. K. P. Ng and K. P. Chang,* *Antimicro. Agents Chemother.*, 2016, **60**, 2003-2011.
- (176) “An Artificial Photosynthetic Model Based on a Molecular Triad of Boron Dipyrromethene and Phthalocyanine”, E. A. Ermilov,* J.-Y. Liu, R. Menting, Y.-S. Huang, B. Röder and D. K. P. Ng,* *Phys. Chem. Chem. Phys.*, 2016, **18**, 10964-10975.
- (177) “The Effects of Formulation and Serum Albumin on the In Vitro Photodynamic Activity of Zinc(II) Phthalocyanines Substituted with Sulfonated Quinolineoxy Groups”, W.-L. Lan, F.-R. Liu, M.-R. Ke, P.-C. Lo, W.-P. Fong, D. K. P. Ng* and J.-D. Huang,* *Dyes Pigm.*, 2016, **128**, 215-225.
- (178) “Molecular Phthalocyanine-Based Photosensitizers for Photodynamic Therapy”, P.-C. Lo, S. Y. S. Chow and D. K. P. Ng,* in *Handbook of Photodynamic Therapy - Updates on Recent Applications of Porphyrin-Based Compounds*, R. K. Pandey, D. Kessel and T. J. Dougherty (eds.); World Scientific, 2016, pp. 237-272.
- (179) “pH- and Thol-Responsive BODIPY-Based Photosensitizers for Targeted Photodynamic Therapy”, X.-J. Jiang, J. T. F. Lau, Q. Wang, D. K. P. Ng* and P.-C. Lo,* *Chem. Eur. J.*, 2016, **22**, 8273-8281.
- (180) “Synthesis of an ABCD-Type Phthalocyanine by Intramolecular Cyclization Reaction”, S. Y. S. Chow and D. K. P. Ng,* *Org. Lett.*, 2016, **18**, 3234-3237.

- (181) “An Acid-Cleavable Phthalocyanine Tetramer as an Activatable Photosensitiser for Photodynamic Therapy”, S. Y. S. Chow, P.-C. Lo* and D. K. P. Ng,* *Dalton Trans.*, 2016, **45**, 13021-13024, with an inside front cover in that issue.
- (182) “A Biotin-Conjugated Glutathione-Responsive FRET-Based Fluorescent Probe with a Ferrocenyl BODIPY as the Dark Quencher”, W.-J. Shi, P.-C. Lo,* S. Zhao, R. C. H. Wong, Q. Wang, W.-P. Fong and D. K. P. Ng,* *Dalton Trans.*, 2016, **45**, 17798-17806.

2017

- (183) “Anti-Tumor Immunity of BAM-SiPc-Mediated Vascular Photodynamic Therapy in a Balb/c Mouse Model”, H.-Y. Yeung, P.-C. Lo, D. K. P. Ng and W.-P. Fong,* *Cell. Mol. Immun.*, 2017, **14**, 223-234.
- (184) “Ethynyl-Linked Donor- π -Acceptor Boron Dipyrromethenes for Panchromatic Dye-Sensitized Solar Cells”, W.-J. Shi, T. Kinoshita* and D. K. P. Ng,* *Asian J. Org. Chem.*, 2017, **6**, 758-767, with an inside front cover in that issue.
- (185) “pH-Responsive Dimeric Zinc(II) Phthalocyanine in Mesoporous Silica Nanoparticles as an Activatable Nanophotosensitizing System for Photodynamic Therapy”, R. C. H. Wong, S. Y. S. Chow, S. Zhao, W.-P. Fong, D. K. P. Ng* and P.-C. Lo,* *ACS Appl. Mater. Interfaces*, 2017, **9**, 23487-23496.
- (186) “A Cell-Selective Glutathione-Responsive Tris(phthalocyanine) as a Smart Photosensitiser for Targeted Photodynamic Therapy”, S. Y. S. Chow, S. Zhao, P.-C. Lo* and D. K. P. Ng,* *Dalton Trans.*, 2017, **46**, 11223-11229.
- (187) “Push-Pull Distyryl Boron Dipyrromethenes as Near-Infrared Sensitizers for Dye-Sensitized Solar Cells”, W.-J. Shi, T. Kinoshita* and D. K. P. Ng,* *Asian J. Org. Chem.*, 2017, **6**, 1476-1485.
- (188) “Encapsulating pH-Responsive Doxorubicin-Phthalocyanine Conjugates in Mesoporous Silica Nanoparticles for Combined Photodynamic Therapy and Controlled Chemotherapy”, R. C. H. Wong, D. K. P. Ng,* W.-P. Fong and P.-C. Lo,* *Chem. Eur. J.*, 2017, **23**, 16505-16515, as a Hot Paper with an inside front cover in that issue.

2018

- (189) “Photodynamic Vaccination of BALB/c Mice for Prophylaxis of Cutaneous Leishmaniasis Caused by *Leishmania amazonensis*”, S. M. Viana, F. S. Celes, L. Ramirez, B. Kolli, D. K. P. Ng, K. P. Chang* and C. I. de Oliveira,* *Front. Microbiol.*, 2018, **9**, article 165 (1-10).

- (190) “Progress Toward Development of Photodynamic Vaccination Against Infectious/Malignant Diseases and Photodynamic Mosquitocides”, K. P. Chang,* B. K. Kolli, C.-K. Fan, D. K. P. Ng, C. T. T. Wong, L. Manna, R. Corso, N.-Y. Shih, R. Elliott, X. P. Jiang, S.-H. Shiao and G.-L. Fu, *Proc. SPIE*, 2018, **10479**, 1047912 (1-15).
- (191) “Assemblies of Boron Dipyrromethene/Porphyrin, Phthalocyanine, and C₆₀ Moieties as Artificial Models of Photosynthesis. Synthesis, Supramolecular Interactions, and Photophysical Studies”, X.-F. Chen, M. E. El-Khouly,* K. Ohkubo, S. Fukuzumi* and D. K. P. Ng,* *Chem. Eur. J.*, 2018, **24**, 3862-3872.
- (192) “Disulfide-Linked Dendritic Oligomeric Phthalocyanines as Glutathione-Responsive Photosensitizers for Photodynamic Therapy”, S. Y. S. Chow, R. C. H. Wong, S. Zhao, P.-C. Lo* and D. K. P. Ng,* *Chem. Eur. J.*, 2018, **24**, 5779-5789 as a Hot Paper with a Frontispiece at the beginning of the Full Paper section in that issue.
- (193) “Synthesis and Acid-Responsive Spectral Properties of Near-Infrared-Absorbing Donor- π -Donor-Type Aza Boron Dipyrromethenes”, W.-J. Shi,* P.-C. Lo* and D. K. P. Ng,* *Dyes Pigm.*, 2018, **154**, 314-319.
- (194) “Endoplasmic Reticulum-Localized Two-Photon-Absorbing Boron Dipyrromethenes as Advanced Photosensitizers for Photodynamic Therapy”, Y. Zhou, Y.-K. Cheung, C. Ma, S. Zhao, D. Gao, P.-C. Lo,* W.-P. Fong, K. S. Wong and D. K. P. Ng,* *J. Med. Chem.*, 2018, **61**, 3952-3961.
- (195) “Functional Aza-Boron Dipyrromethenes for Subcellular Imaging and Organelle-Specific Photodynamic Therapy”, Q. Wang, D. K. P. Ng* and P.-C. Lo,* *J. Mater. Chem. B*, 2018, **6**, 3285-3296.
- (196) “Pyrrolopyrrole Aza Boron Dipyrromethene Based Two-Photon Fluorescent Probes for Subcellular Imaging”, Y. Zhou, C. Ma, N. Gao, Q. Wang, P.-C. Lo,* K. S. Wong, Q.-H. Xu, T. Kinoshita, and D. K. P. Ng,* *J. Mater. Chem. B*, 2018, **6**, 5570-5581.
- (197) “Stimuli Responsive Phthalocyanine-Based Fluorescent Probes and Photosensitizers”, R. C. H. Wong, P.-C. Lo and D. K. P. Ng,* *Coord. Chem. Rev.*, in press.