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朱應懷博士畢業於南開大學。曾任職南開大學化學系副教授，新加坡科技發展局化學工程研究院高級研究員和北伊利諾大學訪問科學家，東陽光研究院及抗感染新藥研發國家重點實驗室顧問專家。現任職於澳門科技大學藥學院。他長期從事硼基抗腫瘤藥物，納米催化和生物質轉化研發，迄今已發表包括 *Angew Chem Int Ed* 和*J Am Chem Soc* 等論文78篇，被引數2400多次。撰寫書目11余章，長期擔任多種國際期刊如*Organometallics*，*Inorg Chem* 等期刊審稿人。

學歷

1994－1997 南開大學／博士學位
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工作經歷

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學術成果

近年發表的主要SCI期刊論文 （通訊作者 *）

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13. Advanced Developments in Cyclic Polymers: Synthesis, Applications and Perspectives, **Yinghuai Zhu***, Narayan S Hosmane, ChemistryOpen 2015, DOI: 10.1002/open.201402172.
14. Nanocatalysis: Recent Advances and Applications in Boron Chemistry, **Yinghuai Zhu***, Narayan S Hosmane, Coord. Chem. Rev. 2015, 293–294, 357–367. (IF 10.5)
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專利（通訊作者 *）

1. Carborane trianion based catalyst, **Zhu Yinghuai***, US Patent 7053158, WO 2005/028520 A1.

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書/著作（通訊作者 *）

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2. Carbonaceous Materials, Chapter 2.2, pp 40–71, **Yinghuai Zhu***, Shanmin Gao, Narayan Hosmane, in book << Comprehensive Energy Systems >>, Dincer, I., Ed, Elsevier, Oxford, UK, 2018.
3. Endo-Fullerenes and Carboranes, Chapter 3.20, pp. 479–487, **Yinghuai Zhu***, Bai Zhiyu, Vijayaraghavan Kalavakunda*, Narayan Hosmane*, in book << Comprehensive Supramolecular Chemistry II >> and in << Molecular Electronics and Optics >> under "Reference Module in Chemistry, Molecular Sciences and Chemical Engineering", Atwood, J. L., Ed, Gokel, G., Barbour, L., Rissanen, K., Jayawickramarajah, J., Wilson, A., Dalgarno, S., MacGillivray, L., Glass, T. and Raston, C., Eds, Elsevier, UK, 2017.
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6. Applications of Ionic Liquids in Lignin Chemistry, Chapter 13, pp. 315–346, **Zhu Yinghuai***, Karen Tang Yuanting, and Narayan S. Hosmane, in book << Ionic Liquids - New Aspects for the Future >>, Jun-Ichi Kadokawa, Ed, InTech., 2013.
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9. Boron-Based Hybrid Nanostructures: Novel Application of Modern Materials, Chapter 6, pp. 181–198, **Yinghuai Zhu**, Koh Cheng Yan, John A Maguire, Narayan S. Hosmane*, in book <<Hybrid Nanomaterials: Synthesis, Characterization, and Applications>>, Chauhan, B. P. S., Ed, John Wiley & Sons, NJ, USA, 2011.
10. Ionic Liquids in Catalytic Biomass Transformation, Chapter 1, **Zhu Yinghuai***, Algin Oh Biying, Xiao Siwei, Narayan S Hosmane and John A. Maguire, in book <<Application of Ionic Liquids in Science and Technology>>, Scott Handy, Ed, InTech, Croatia, 2011.

會議論文 （通訊作者 *）：

(1) Construction and applications of biomass-based cyclic polylactones, **Y. Zhu***, Poster 1208, the International Chemical Congress of Pacific Basin Societies 2015, 15-20 December, 2015, Honolulu, Hawaii, USA.
(2) Catalytic Applications of Palladium Nanoparticles-supported Nanocomposites in Carbonylation Reactions, **Zhu Yinghuai***, IV-OP13, XII European Congress on Catalysis, 30 August- 4 September 2015, Kazan, Russia.
(3) Construction and New Applications of Biomass-based Cyclic Polylactones, **Zhu Yinghuai***, IL-13, Invited talk, The 5th International Conference on Bio-based Polymers (ICBP2015), 24-27 June, 2015, Singapore, National University of Singapore.
(4) Selective Oxidation of Glycerol to Dihydroxyacetone by High Efficient MOF Supported Palladium Nanoclusters-based Catalyst, **Yinghuai Zhu***, D2S-01(II), SYM-B2, The 41th International Conference on Coordination Chemistry, 21-25 July 2014, Singapore.
(5) Constructing Cyclic Polylactone - Clay Hybrid: A Green Catalyst Support , Aitha Vishwa Prasad, Ludger Paul Stubbs, **Zhu Yinghuai***, Division of Polymeric Science and Engineering, Session of General papers/New concepts in polymeric materials, final paper number 315, The 246th American Chemical Society National Meeting & Exposition, 8-12 September, 2013, Indianapolis, Indiana, USA.
(6) Catalytic Applications of Palladium (0) Nanoparticles Supported on a Green Hybrid of Cyclic Poly(*L*-lactide) - Clay, **Zhu Yinghuai***, Division of Catalysis Science and Technology, Session of CATL Poster session, final paper number 105, The 246th American Chemical Society National Meeting & Exposition, 8-12 September, 2013, Indianapolis, Indiana, USA.
(7) Construction of Transition Metal Nanoparticles-based Sustainable Catalysts for Aminocarbonylation Reactions, **Yinghuai Zhu***, poster under topic of Green Synthesis & Catalysis, the 15th Asian Chemical Congress (15ACC), 19-23 August, 2013, Singapore.
(8) Syntheses of Cyclic Poly(lactones) by Zwitterionic Ring Opening Polymerization Catalyzed by N-Heterocyclic Carbene, Aitha Vishwa Prasad, Ludger Paul Stubbs, **Zhu Yinghuai***, Oral presentation, 14F21, page 284, The 9th International Polymer Conference (IPC 2012), 11-14 December, 2012, Kobe, Japan.
(9) Exploration of Palladium (0) Nanocatalysts in Sustainable Organic Transformations, **Yinghuai Zhu***, 2nd International Conference on Molecular and Functional Catalysis (ICMFC-2), 30-31 July, 2012, Singapore.
(10) Application of ionic liquid stabilized transition metal nanoparticle based catalysts in sustainable transformation, **Yinghuai Zhu***, Green Chemistry 2011 Innovations, 4-7 December, 2011, Melbourne, Australia.

研究項目（部分近期项目）

1. 2018–2021, Synthesis and Bio-assessment of Novel Boron Analogues of α-Amino Acid-based Anti-rheumatoid Arthritis Drugs, The Science and Technology Development Fund, Macau, SAR, PI.
2. 2016–2017, Highly Reactive and Air-Sensitive Organoboron Compounds, Tokyo Ohka Kogyo Co., Ltd. Co-PI.
3. 2015–2016, Upgradation of Phenol Mixture from Lignin Oxidative Depolymerization for Terephthalic Acid Synthesis, Agency for Science, Technology and Research (A*STAR) Grant, PI.
4. 2013–2016，Chemo and Enzyme Catalyzed Depolymerization of Lignin to Vanillin And Derivatives. Agency for Science, Technology and Research (A*STAR) Grant, Co-PI.

5. 2013–2016, Development of Green and Recyclable Supported Metal Nanoparticles-based Catalysts for Oxidation Reactions of Biomass-derived Alcohols，Singapore-MIT Alliance for Research & Technology (SMART) Funding, PI.

學術機構及社會任職

1. Member: Organizing Committee, conference 15th Meeting of the Asian-Pacific Society for Neurochemistry, 27–29 August, 2018, Macau.
2. Member: Organizing Committee, 5th Asian Association of Schools of Pharmacy (AASP) Deans Forum, 9–11 July, 2018, Macau University of Science and Technology, Macau.
3. Advisor: The State Key Laboratory of Anti-Infective Drug Development, Sunshine Lake Pharma Co Ltd, 2018–present.
4. Member: American Chemistry Society, 2003–2016.
5. Member: American Nano Society, 2011–2015.
6. Member: Editorial advisory board, journal "Pharmaceutics of Novel Drug Delivery Systems: Current Research", 2011–2014.
7. Member: Editorial advisory board, journal "Biochemical and Biophysical Journal of Neutron Therapy & Cancer Treatments", 2012–2014.
8. Member: Editorial advisory board, journal "ISRN（International Scholarly Research Network）Inorganic Chemistry", 2012–2013.
9. Member: Organizing Committee, conference 15th Asian Chemical Congress, 19–23 August, 2013, Singapore.
10. Member: Organizing Committee, conference 41st International Conference on Coordination Chemistry, 21–24 July, 2014, Singapore.
11. Reviewer: International chemistry journals such as Angew Chem Int Ed, J Am Chem Soc, Organometallics, Adv Synth Catal and ACSCat.