基本信息

姓　　名	马玉荣
职　　务	院长助理
职　　称	教授
学术兼职	中国复合材料学会微纳米复合材料专业委员会常务委员；中国生物材料学会智能仿生生物材料分会委员；中国化学会胶体与界面化学委员会青年委员。
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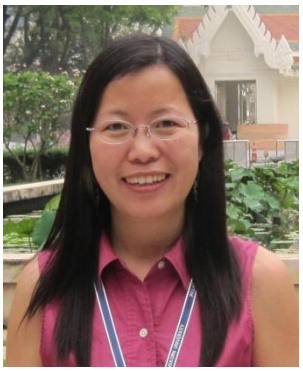

教育背景

2001.09– 2004.06	北京大学，物理化学专业，理学博士
1998.09– 2001.06	南京工业大学，应用化学专业，工学硕士
1994.09-1998.06	山东轻工业学院，食品工程专业，工学学士

工作履历

2017.09-至今	北京理工大学化学与化工学院，教授
20008.05-2017.08	北京大学，化学与分子工程学院，副教授，博士生导师
2006.05-2008.04	以色列魏兹曼科学院，结构生物系，博士后
2004.10-2006.04	德国马普学会胶体与界面研究所，胶体化学部，博士后

研究方向

1.	生物矿物结构化学
2.	仿生材料化学
3.	功能性纳米材料可控合成
4.	胶体化学

荣誉奖励

1.	国家优秀青年基金
2.	IOP 英国物理学会中国区高被引论文奖（2020）
3.	中国化学会胶体与界面化学专业委员会“优秀青年教师奖” (2015)

承担项目

1.	国基 优秀青年基金项目，生物矿物结构化学和仿生材料化学（150 万元），2017.01-2019.12，负责人，已完成
2.	国基 面上项目，鸟嘌呤的生物矿化及其仿生矿化合成（65 万元），2019.01-2022.12，负责人，在研
3.	科技部 重点专项，纳米簇材料及其装配的基础研究，2018.9-2021.6，子课题负责人（本人负责 85.6 万元），在研

研究成果

主持国家自然科学基金青年及面上项目共 3 项、承担科技部重大专项（子课题）1 项。迄今在国内外学术刊物及会议上发表学术论文 70 余篇，其中本人为一作或通讯作者的论文 SCI 收录 60 余篇。

代表性论文

1.	F. H. Chen, Y. N. Liu, L. Li,* L. M. Qi,* and **Y. R. Ma***, “WO_3-Based Slippery Liquid-Infused Porous Surfaces with Long-Term Stability”, *Chem. Eur. J.* , **2020**, accepted, DOI: 10.1002/chem.202003156
2.	Y. Z. Zhang, J. F. Li, L. M. Qi*, Y. R. Ma*, “Investigation of the influence of cationic and anionic ions on the oriented dissolution of calcite”. CrystEngComm, 2020, 22, 5316-5322.
3.	C. X. Wang, Y. X. Yan, D. M. Du, X. L. Xiong, Y. R. Ma*, “WO3-Based Slippery Liquid-Infused Porous Surfaces with Long-Term Stability”. ACS Appl. Mater. Interfaces, 2020, 12, 29767-29777.
4.	Y. Z. Zhang, L. Qiao, H. J. Yan, I. Zizak, P. Zaslansky, Y. F. Li*, L. M. Qi*, Y. R. Ma*, “Vaterite microdisc mesocrystals exposing the (001) facet formed via transformation from proto-vaterite amorphous calcium carbonate”. Crystal Growth Des., 2020, 20, 3482.
5.	F. H. Chen, Y. N. Liu, Y. R. Ma*, Y. X. Wang, and L. M. Qi*, “Reversible Crystal Phase Change between Guanosine Dihydrate and Anhydrous Guanosine by a Heating−Cooling Process”, Crystal Growth Des., 2020, 20, 2275-2282.
6.	Y. R. Ma *, F. H. Chen, Yiran Hu, Y. N. Liu, and Limin Qi*, “Controlled crystallization of twinned crystalline guanine microplatelets”, CrystEngComm, 2019, 21, 6346.

7.	F. H. Chen, B.B. Wu, N. Elad, A. Gal, Y. N. Liu, Y. R. Ma * and L. M. Qi, "Controlled crystallization of anhydrous guanine β nano-platelets via an amorphous precursor", CrystEngComm, 2019, 21, 3586.
8.	F. H. Chen, Y. R. Ma*, Y. X. Wang, and L. M. Qi*, "A Novel Tautomeric Polymorph of Anhydrous Guanine and Its Reversible Water Harvesting Property", Crystal Growth Des., 2018, 18, 6497−6503.
9.	S. Q. Chai, Y. Guo, Z. Y. Zhang, Z. Chai, Y. R. Ma* and L. M. Qi* "Cyclodextrin-gated mesoporous silica nanoparticles as drug carriers for red light-induced drug release". Nanotechnology, 2017, 28, 145101.
10.	H. Yang, S. Q. Chai, Y. Z. Zhang, Y. R. Ma*, "A study on the influence of sodium carbonate concentration on the synthesis of high Mg calcites", CrystEngComm, 2016, 18, 157-163.
11.	Y. Z. Zhang, S. Q. Chai, Y. R. Ma* and L. M. Qi*, "Investigations on the microstructures of sea urchin spines via selective dissolution", CrystEngComm, 2016, 18, 9374-9381.
12.	Z. H. Li, Y. R. Ma*, L. M. Qi, "Formation of Nickel-doped Magnetite Hollow Nanospheres with High Specific Surface Area and Superior Removal Capability for Organic Molecules" *Nanotechnology,* **2016**, *18,* 9374-9381.
13.	W. K. Wu, Y. R. Ma*, Y. Xing, Y. Z. Zhang, H. Yang, Q. Luo, J. Wang, B. Li*, L. M. Qi, "Ca-Doped Strontianite−Calcite Hybrid Micropillar Arrays Formed via Oriented Dissolution and Heteroepitaxial Growth on Calcite" *Crystal Growth Des.* **2015**, *15*, 2156.
14.	X. Long, R. J. Meng, W. K. Wu, Y. R. Ma*, D. Yang, and L. M. Qi*, "Calcite microneedle arrays produced via inorganic ions assisted anisotropic dissolution of bulk calcite crystal ", *Chem. Eur. J.*, **2014**, *20*, 4264-4272.
15.	X. Long, Y. R. Ma*, L. M. Qi, "Biogenic and synthetic high magnesium calcite - A review", *J. Struct. Biol.*, **2014**,*185*, 1-14.
16.	X. Long, Y. R. Ma*, K. R. Cho, D. S. Li, J. J. De Yoreo*, L. M. Qi*, "Oriented Calcite Micropillars and Prisms Formed on Calcite Substrates through Aggregation and Recrystallization of PAA Stabilized Nanoparticles.", *Crystal Growth Des.,* **2013**, *13,* 3856-3863.
17.	J. Seto#, Y. R. Ma#, S. Davis, F. Meldrum, Y. Y. Kim, U. Schilde, M. Sztucki, A. Gourrier, S. Maltsev, C. Jäge and H. Cölfen, "Structure-property relationships of a biological mesocrystal in the adult sea urchin spine." *Proc. Nat. Acad. Sci. U.S.A.,* **2012**, 109, 3699-3704. (J. Seto#, Y. R. Ma# contributed equally)
18.	T. J. Zhang, Y. R. Ma*, K. Chen, M. Kunz, N. Tamura, M. Qiang, J. Xu, and L. M. Qi*, "Ultra-Thin Flexible Armor in Nature: Interlocked Helical Aragonite Nanofibers in *Cavolinia uncinata* Shell and Its Mechanical Properties." *Angew. Chem. Int. Ed.,* **2011**, *50*, 10361-10365.

19.	T. J. Zhang, W. Wang, D. Y. Zhang, X. X. Zhang, Y. R. Ma *, Y. L. Zhou *, L. M. Qi*: "Biotemplated Synthesis of Gold Nanoparticle-Bacteria Cellulose Nanofiber Nanocomposites and Their Application in Biosensing." *Adv. Funct. Mater.*, **2010**, *20*, 1152-1160.
20.	Y. R. Ma, B. Aichmayer, O. Paris, P. Fratzl, A. Meibom, R. A. Metzler, Y. Politi, L. Addadi, P.U.P.A. Gilbert and S. Weiner: "The Grinding Tip of the Sea Urchin Tooth: Exquisite Control over Calcite Crystal Orientation and Mg Distribution." *Proc. Nat. Acad. Sci. U.S.A.,* **2009**, *106,* 6048-6053.
21.	Y. R. Ma, G. Mehltretter, C. Plüg, N. Rademacher,M. U. Schmidt, and H.Cölfen : "PY181 Pigment Microspheres of Nanoplates Synthesized via Polymer-Induced Liquid Precursors" *Adv. Funct. Mater.,* **2009,** *19,* 2095-2101. (内封面)
22.	Y. R. Ma, S. R. Cohen, S. Weiner, and L. Addadi: "Sea Urchin Tooth Design: An "All-Calcite" Polycrystalline Reinforced Fiber Composite for Grinding Rocks". *Adv. Mater.* **2008**, *20*, 1555-1559.
23.	Y. R. Ma, S. Weiner, and L. Addadi: "Mineral Deposition and Crystal Growth in the Continuously Forming Teeth of Sea Urchins". *Adv. Funct. Mater.,* **2007**, *17*, 2693-2700.
24.	Y. R. Ma, L. M. Qi, J. M. Ma and H. M. Cheng: "Micelle-mediated Synthesis of Single-Crystalline Selenium Nanotubes". *Adv. Mater.,* **2004**, *16*, 1023-1026.
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