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杨威，男，1986年12月出生，甘肃兰州人。博士，副研究员，博士生导师。研究方向为盆山耦合碎屑沉积记录综合分析、含油气盆地分析、基于细粒沉积学理论的致密油气与页岩油气储层“甜点”地质评价。目前主持国家自然科学基金项目1项，参与“十三五”国家科技重大专项2项。以第一作者身份在地学领域知名期刊《Gondwana Research》《Basin Research》《Tectonophysics》《International Journal of Coal Geology》《Marine and Petroleum Geology》《Palaeogeography, Palaeoclimatology, Palaeoecology》《Journal of Asian Earth Sciences》等发表学术论文多篇。现担任《石油科学通报》青年编委。2016年8月入选中国石油大学（北京）青年拔尖人才计划。

教育经历:

2005.09-2009.07 兰州大学 资源环境学院 地质学专业 学士学位

2009.09-2014.06 北京大学 地球与空间科学学院 构造地质学专业 博士学位

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1. 近年发表的主要期刊论文:

[1] **Wei Yang**, Marc Jolivet, Guillaume Dupont-Nivet, Zhaojie Guo*, Zhicheng Zhang, Chaodong Wu, Source to sink relations between the Tian Shan Range and Junggar Basin (northwest China) from Late Paleozoic to Quaternary: evidence from detrital U-Pb zircon geochronology, **Basin Research**, 2013, 25 (2): 219-240.

[2] **Wei Yang**, Marc Jolivet, Guillaume Dupont-Nivet, Zhaojie Guo*, Mesozoic-Cenozoic tectonic evolution of southwestern Tian Shan: Evidence from detrital zircon U-Pb and apatite fission track ages of the Ulugqat area, Northwest China, **Gondwana Research**, 2014, 26 (3-4): 986-1008.

[3] **Wei Yang***, Guillaume Dupont-Nivet, Marc Jolivet, Zhaojie Guo, Laurie Bougeois, Roderic Bosboom, Ziya Zhang, Bei Zhu, Gloria Heilbronn, Magnetostratigraphic record of the early evolution of the southwestern Tian Shan foreland basin

(Ulugqat area), interactions with Pamir indentation and India-Asia collision, **Tectonophysics**, 2015, 644-645: 122-137.

[4] **Wei Yang***, Baruch Spiro, Zhao-Jie Guo, Allan Pentecost, Cenozoic lacustrine stromatolites from the southern margin of the Junggar Basin, NW China and adjacent areas: indicators for palaeoclimatic and tectonic evolution, **Geological Journal**, 2017, 52: 249-262. .

[5] **Wei Yang***, Jianfeng Li, Zhaojie Guo, Marc Jolivet, Gloria Heilbronn, New apatite fission track ages from the western Kuqa Depression: implications for Mesozoic-Cenozoic tectonic evolution of the South Tian Shan, **Acta Geologica Sinica (English edition)**, 2017, 91 (2): 396-413.

[6] **Wei Yang***, Yan Song, Zhenxue Jiang, Qun Luo, Qianyou Wang, Yuan Yuan, Chen Zhang, Lei Chen, Whole-aperture characteristics and controlling factors of pore structure in the Chang 7th continental shale of the Upper Triassic Yanchang Formation in the Southeastern Ordos Basin, China, **Interpretation**, 2018, 6 (1): 1-17.

[7] **Wei Yang***, Ling Fu, Chaodong Wu, Yan Song, Zhenxue Jiang, Qun Luo, Ziya Zhang, Chen Zhang, Bei Zhu, Detrital zircon U-Pb geochronology of Cenozoic sediments in the southwestern Tarim Basin, NW China: implications for Eocene–Pliocene source-to-sink relations and new insight into Cretaceous–Paleogene magmatic sources, **Journal of Asian Earth Sciences**, 2018, 156: 26-40.

[8] **Wei Yang***, Rusi Zuo, Zhenxue Jiang, Dongxia Chen, Yan Song, Qun Luo, Qianyou Wang, Hongji Zhu, Effect of lithofacies on pore structure and new insights into pore-preserving mechanisms of the over-mature Qiongzhusi marine shales in Lower Cambrian of the southern Sichuan Basin, China, **Marine and Petroleum Geology**, 2018, 98: 746-762.

[9] **Wei Yang***, Rusi Zuo, Xu Wang**, Yan Song, Zhenxue Jiang, Qun Luo, Jixuan Zhai, Qianyou Wang, Chen Zhang, Ziya Zhang, Sensitivity of lacustrine stromatolites to Cenozoic tectonic and climatic forcing in the southern Junggar Basin, NW China: New insights from mineralogical, stable and clumped isotope compositions, **Palaeogeography, Palaeoclimatology, Palaeoecology**, 2019, 514: 109-123.

[10] **Wei Yang***, Rusi Zuo, Dongxia Chen, Zhenxue Jiang, Lishuang Guo, Ziyi Liu, Rong Chen, Yunpeng Zhang, Ziya Zhang**, Yan Song, Qun Luo, Qianyou Wang, Jianbo Wang, Lei Chen, Yaohua Li, Chen Zhang, Climate and tectonic-driven deposition of sandwiched continental shale units: New insights from petrology, geochemistry, and integrated provenance analyses (the western Sichuan subsiding Basin, Southwest China), **International Journal of Coal Geology**, 2019, 211: 103227.

[11] Zhenxue Jiang*, Zhuo Li, Feng Li, Xiong-Qi Pang, **Wei Yang**, Luo-fu Liu, Fu-jie Jiang, Tight sandstone gas accumulation mechanism and development models, **Petroleum Science**, 2015, 12: 587-605.

[12] Zhenxue Jiang*, Xianglu Tang, Zhuo Li, Wenming Ji, **Wei Yang**, Yuan Yuan, Pengfei, Wang, Fengyang Xiong, Critical controlling factors of shale gas enrichment and accumulation, and remaining uncertainties, **Acta Geologica Sinica (English Edition)**, 2015, 89 (s1): 251-252.

[13] Dongdong Liu, Marc Jolivet, **Wei Yang**, Ziya Zhang, Feng Cheng, Bei Zhu, Zhaojie Guo*, Latest Paleozoic-Early Mesozoic basin-range interactions in South Tian Shan (northwest China) and their tectonic significance: Constraints from detrital zircon U-Pb ages, **Tectonophysics**, 2013, 599: 197-213.

[14] Roderic Bosboom*, Guillaume Dupont-Nivet, Wentao Huang, **Wei Yang**, Zhaojie Guo, Oligocene clockwise rotations along the eastern Pamir: Tectonic and paleogeographic implications, **Tectonics**, 2014, 33 (2): 53-66.

[15] Roderic Bosboom*, Guillaume Dupont-Nivet, Arjen Grothe, Henk Brinkhuis, Giuliana Villa, Oleg Mandic, Marius Stoica, Wentao Huang, **Wei Yang**, Zhaojie Guo, Wout Krijgsman, Linking Tarim sea retreat (west China) and Asian aridification in the late Eocene, **Basin Research**, 2014, 26 (5): 621-640.

[16] Marc Jolivet*, Gloria Heilbronn, Cécile Robin, Laurie Barrier, Sylvie Bourquin, Zhaojie Guo, Yingying Jia, Laure Guerit, **Wei Yang**, Bihong Fu, Reconstructing the Late Palaeozoic-Mesozoic topographic evolution of the Chinese Tian Shan: available data and remaining uncertainties, **Advances in Geosciences**, 2013, 37: 7-18.

[17] Roderic Bosboom*, Guillaume Dupont-Nivet, Arjen Grothe, Henk Brinkhuis, Giuliana Villa, Oleg Mandic, Marius Stoica, Tanja Kouwenhoven, Wentao Huang, **Wei Yang**, Zhaojie Guo, Timing, cause and impact of the late Eocene stepwise sea retreat from the Tarim Basin (west China), **Palaeogeography, Palaeoclimatology, Palaeoecology**, 2014, 403: 101-118.

[18] Qun Luo, Chen Zhang, Quanqi Dai, Dongdong Liu, **Wei Yang**, Luofu Liu, Xiangye Kong, Xinpeng Wang, Xiaoyu Liu, Lei Chen, Characterization of compact carbonate pore-throat network systems in the Xiagou Formation in Qingxi Sag, Jiuquan Basin, China, **Journal of Petroleum Science and Engineering**, 2017, 159: 853-868.

[19] Lei Chen, Zhenxue Jiang*, Keyu Liu, **Wei Yang****, Shu Jiang, Jingqiang Tan, Investigation of fractal characteristics and methane adsorption capacity of the Upper Triassic Lacustrine shale in the Sichuan Basin, Southwest China. **Fractals**, 2019, 27 (1): 1940011-1 - 1940011-15.

[20] Lei Chen, Zhenxue Jiang*, Shu Jiang**, Keyu Liu, **Wei Yang*****, Jingqiang Tan, Fenglin Gao, Nanopore Structure and Fractal Characteristics of Lacustrine Shale: Implications for Shale Gas Storage and Production Potential, **Nanomaterials**, 2019, 9, 390: 1-20.

[21] Qianyou Wang, Yaohua Li, **Wei Yang***, Zhenxue Jiang, Yan Song, Shu Jiang, Qun Luo, Dan Liu, Finite Element Simulation of Multi-Scale Bedding Fractures in Tight Sandstone Oil Reservoir, **Energies**, 2020, 13, 131: 1-20.

[22] **杨威***, 姜振学, 郭召杰, Gloria Heilbronn. 塔拉斯—费尔干纳断裂系中-中新世活动与深层油气成藏. 吉林大学学报 (地球科学版), 2015, 45 (1): 1515-18.

[23] **杨威***, 郭召杰, 姜振学, Gloria Heilbronn, 张晨, 王思维. 西南天山前陆盆地侏罗纪?白垩纪盆地格局—来自碎屑锆石年代学的证据. 大地构造与成矿学, 2017, 41 (3): 533-550.

[24] 郑忠文, 王乾右, 葛云锦, 杨威*, 宋岩, 姜振学, 刘聃, 左如斯. 鄂尔多斯鹏西部延长组长8-长6段致密储层微观孔隙特征差异. 科学技术与工程, 2018, 18 (15): 1671-1815.

[25] 姜振学, 李卓, 唐相路, 纪文明, 杨威*, 原圆, 王鹏飞. 页岩气成藏富集主控因素研究及目标优选. 吉林大学学报 (地球科学版), 2015, 45 (1): 1515-32.

[26] 王乾右, 杨威*, 左如斯, 姜振学, 李耀华, 刘聃, 崔政劫, 蔡剑锋, 崔哲, 顾小敏, 李兰, 徐亮. 联合微米CT和高压汞的致密储层孔喉网络结构差异定量评价. 能源与环保, 2019, 41 (7): 80-86.

[27] 左如斯, 杨威*, 王乾右, 姜振学, 陈冬霞. 川西坳陷须家河组陆相页岩岩相控制下的微观储集特征. 特种油气藏, 2019, 6: 网络首发.

2. 近年发表的主要会议论文:

[1] Wei Yang*, Baruch Spiro, Cenozoic lacustrine stromatolites from the southern margin of the Junggar Basin, NW China and adjacent areas: indicators for paleoclimatic and tectonic evolution, GSA Annual meeting, 2017, Seattle, Washington, USA.

[2] Wei Yang*, Zhenxue Jiang, Zhuo Li, Zhiye Gao, Dongdong Liu, Characteristics and controlling factors of pores in 7th Member shale reservoirs in the southeastern Ordos Basin, Geomechanics, Geomechanics and Georesources (IC3G) 2016, Melbourne, Australia.

[3] Wei Yang*, Zhenxue Jiang, Yuan Yuan, Pengfei Wang, Hexin Huang, Effective index from element geochemistry in evaluating depositional environment of continental shale and the remaining uncertainties. CHINA SHALE GAS, 2015.

[4] Wei Yang*, Siwei Wang, Guillaume Dupont-Nivet, Marc Jolivet, Zhaojie Guo, Laurie Bougeois, Roderic Bosboom, Ziya Zhang, Bei Zhu, Gloria Heilbronn, Magnetostratigraphic Record of the Early Evolution of the Southwestern Tian Shan Foreland Basin (Ulugqat Area), Interactions with Pamir Indentation and India-Asia Collision, AGU Fall Meeting, 2015, San Francisco, USA.

[5] 杨威*, 姜振学, 陈冬霞, 左如斯, 王乾右. 川南下寒武统筇竹寺组页岩岩相对微-中孔隙结构的影响. 中国矿物岩石地球化学学会第16届学术年会, 2017, 西安.

[6] 杨威*, 王旭, 王乾右. 准噶尔盆地南缘及邻区新生界湖相叠层石稳定同位素研究及其构造—环境意义. 第一届全国气体同位素技术与地球科学应用研讨会, 2017, 兰州.

[7] 杨威*, 姜振学, 郭召杰, Guillaume Dupont-Nivet, Marc Jolivet, Roderic Bosboom, Laurie Bougeois, Gloria Heilbronn. 塔拉斯—费尔干纳断裂系中-中新世活动与深层油气成藏. 第六届中国石油地质年会, 2015, 北京.

[8] 杨威, 郭召杰. 准噶尔盆地南缘层序碎屑锆石年代学及其对盆格局演化的指示. 第四届构造地质学与地球动力学学术研讨会, 2011, 南京.

[9] 杨威, 郭召杰. 准噶尔盆地南缘碎屑锆石年代学及源区意义. 全国岩石学与地球动力学研讨会, 2010, 北京.

[10] 姜振学, 李卓, 唐相路, 纪文明, 杨威, 原圆, 王鹏飞. 页岩气成藏富集主控因素研究及存在的问题. 第六届中国石油地质年会, 2015, 北京.

3. 知识产权:

[1] 杨威,等. 一种便携式岩石抗剪强度测试装置及方法.发明专利,授权: ZL 201710106746.4

[2] 杨威,等. 利用微波快速制备不同含水饱和度页岩样品的设备.实用新型专利,授权: ZL 201621281028.8

4. 主持和参与的主要项目:

[1] 准噶尔盆地南缘中新世湖相叠层石特征及其构造—环境意义 (41602233), 国家自然科学基金 (青年基金), 主持, 起止时间: 2017.01-2019.12.

[2] 页岩岩相对微观储集空间特征的影响 (2462017BJB07), 中国石油大学 (北京) 拔尖人才科研启动基金项目, 主持, 起止时间: 2017.01-2019.12.

[3] 不同类型页岩气生成机理与富集规律研究-中生界陆相不同盆地类型页岩气赋存方式与富集规律研究 (2016ZX05034-001-005), 国家科技重大专项任务, 项目骨干, 起止时间: 2016.01-2020.12.

[4] 五峰-龙马溪组富有机质页岩储层精细描述与页岩气成藏机理-页岩气成藏要素匹配及综合评价 (2017ZX05035-002-007), 国家科技重大专项任务, 项目骨干, 起止时间: 2017.01-2020.12.