

Liliana Ma

- Affiliate, Department Funds
- Resident in Graduate Medical Education

Publications

PUBLICATIONS

- **4D Flow cardiovascular magnetic resonance consensus statement: 2023 update.** *Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance*
Bissell, M. M., Raimondi, F., Ait Ali, L., Allen, B. D., Barker, A. J., Bolger, A., Burriss, N., Carhäll, C. J., Collins, J. D., Ebberts, T., Francois, C. J., Frydrychowicz, A., Garg, et al
2023; 25 (1): 40
- **Focused navigation for respiratory-motion-corrected free-running radial 4D flow MRI** *MAGNETIC RESONANCE IN MEDICINE*
Falcao, M. L., Rossi, G. C., Rutz, T., Prsa, M., Tenisch, E., Ma, L., Weiss, E. K., Baraboo, J. J., Yerly, J., Markl, M., Stuber, M., Roy, C. W.
2023; 90 (1): 117-132
- **Accelerated dual-vcnc 4D flow MRI with variable high-vcnc spatial resolution for neurovascular applications** *MAGNETIC RESONANCE IN MEDICINE*
Aristova, M., Pang, J., Ma, Y., Ma, L., Berhane, H., Rayz, V., Markl, M., Schnell, S.
2022; 88 (4): 1643-1658
- **Comparison of Improved Unidirectional Dual Velocity-Encoding MRI Methods** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Franco, P., Ma, L., Schnell, S., Carrillo, H., Montalba, C., Markl, M., Bertoglio, C., Uribe, S.
2022: 763-773
- **Valvular regurgitation flow jet assessment using in vitro 4D flow MRI: Implication for mitral regurgitation** *MAGNETIC RESONANCE IN MEDICINE*
Lee, J., Gupta, A. N., Ma, L. E., Scott, M. B., Mason, O. R., Wu, E., Thomas, J. D., Markl, M.
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- **Pilot tone navigation for respiratory and cardiac motion-resolved free-running 5D flow MRI** *MAGNETIC RESONANCE IN MEDICINE*
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2022; 87 (2): 718-732
- **Using 5D flow MRI to decode the effects of rhythm on left atrial 3D flow dynamics in patients with atrial fibrillation** *MAGNETIC RESONANCE IN MEDICINE*
Ma, L., Yerly, J., Di Sopra, L., Piccini, D., Lee, J., DiCarlo, A., Passman, R., Greenland, P., Kim, D., Stuber, M., Markl, M.
2021; 85 (6): 3125-3139
- **5D Flow MRI: A Fully Self-gated, Free-running Framework for Cardiac and Respiratory Motion-resolved 3D Hemodynamics** *RADIOLOGY-CARDIOTHORACIC IMAGING*
Ma, L. E., Yerly, J., Piccini, D., Di Sopra, L., Roy, C. W., Carr, J. C., Rigsby, C. K., Kim, D., Stuber, M., Markl, M.
2020; 2 (6): e200219
- **Highly accelerated aortic 4D flow MRI using compressed sensing: Performance at different acceleration factors in patients with aortic disease** *MAGNETIC RESONANCE IN MEDICINE*
Pathrose, A., Ma, L., Berhane, H., Scott, M. B., Chow, K., Forman, C., Jin, N., Serhal, A., Avery, R., Carr, J., Markl, M.
2021; 85 (4): 2174-2187
- **Development of a rotation phantom for phase contrast MRI sequence validation and quality control** *MAGNETIC RESONANCE IN MEDICINE*
Vali, A., Schmitter, S., Ma, L., Flassbeck, S., Schmidt, S., Markl, M., Schnell, S.

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- **Highly accelerated, real-time phase-contrast MRI using radial k-space sampling and GROG-GRASP reconstruction: a feasibility study in pediatric patients with congenital heart disease** *NMR IN BIOMEDICINE*
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- **Efficient triple-VENC phase-contrast MRI for improved velocity dynamic range** *MAGNETIC RESONANCE IN MEDICINE*
Ma, L. E., Markl, M., Chow, K., Vali, A., Wu, C., Schnell, S.
2020; 83 (2): 505-520
- **Aortic 4D flow MRI in 2 minutes using compressed sensing, respiratory controlled adaptive k-space reordering, and inline reconstruction** *MAGNETIC RESONANCE IN MEDICINE*
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2019; 81 (6): 3675-3690
- **Towards Cerebral Aneurysm Rupture Risk Prediction Using Quantitative Analysis by 4D Flow MRI: Intra-Aneurysmal Vortical Blood Flow and Association to Wall Shear Stress.**
Elbaz, M. S., Aristova, M., Ma, L., Vali, A., Bollache, E., Barker, A. J., Hurley, M. C., Potts, M. B., Jahromi, B. S., Ansari, S. A., Markl, M., Schnell, S.
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- **Altered Aortic 3-Dimensional Hemodynamics in Patients With Functionally Unicuspid Aortic Valves** *CIRCULATION-CARDIOVASCULAR IMAGING*
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