

# Mark E Limes

## List of Publications by Year in descending order

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13  
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| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Pulsed Optically Pumped Magnetometers: Addressing Dead Time and Bandwidth for the Unshielded Magnetorelaxometry of Magnetic Nanoparticles. <i>Sensors</i> , 2021, 21, 1212.  | 3.8  | 15        |
| 2  | Heading errors in all-optical alkali-metal-vapor magnetometers in geomagnetic fields. <i>Physical Review A</i> , 2021, 103, .  | 2.5  | 14        |
| 3  | Portable Magnetometry for Detection of Biomagnetism in Ambient Environments. <i>Physical Review Applied</i> , 2020, 14, .  | 3.8  | 107       |
| 4  | Dipolar and scalar $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mtext} \rangle \hat{a} \langle \text{mml:mtext} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Xe} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 129 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{frequency shifts in stemless cells. } \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mtext} \rangle \hat{a} \langle \text{mml:mtext} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{Xe} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mn} \rangle 129 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{C}$ | 2.5  | 16        |
| 5  | Robust solid $\text{Xe}^{129}$ longitudinal relaxation times. <i>Physical Review B</i> , 2016, 94, .   | 3.2  | 4         |
| 6  | Probing long-range carrier-pair spin-spin interactions in a conjugated polymer by detuning of electrically detected spin beating. <i>Nature Communications</i> , 2015, 6, 6688.  | 12.8 | 38        |
| 7  | Nuclear relaxation measurements in organic semiconducting polymers for application to organic spintronics. <i>Physical Review B</i> , 2015, 91, .  | 3.2  | 2         |
| 8  | The spin-Dicke effect in OLED magnetoresistance. <i>Nature Physics</i> , 2015, 11, 910-914.  | 16.7 | 39        |
| 9  | Magnetic resonance in slowly modulated longitudinal field: Modified shape of the Rabi oscillations. <i>Physical Review B</i> , 2013, 87, .   | 3.2  | 16        |
| 10 | Numerical study of spin-dependent transition rates within pairs of dipolar and exchange coupled spins with magnetic resonant excitation. <i>Physical Review B</i> , 2013, 87, .  | 3.2  | 17        |
| 11 | Analytical study of spin-dependent transition rates within pairs of dipolar and strongly exchange coupled spins with magnetic resonant excitation. <i>Physical Review B</i> , 2013, 87, .  | 3.2  | 12        |
| 12 | Negative Coulomb damping, limit cycles, and self-oscillation of the vocal folds. <i>American Journal of Physics</i> , 2006, 74, 386-393.   | 0.7  | 30        |