

# Philip M Singer

## List of Publications by Year in descending order

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39  
papers

1,330  
citations

361413

20  
h-index

345221

36  
g-index

40  
all docs

40  
docs citations

40  
times ranked

1108  
citing authors

#	ARTICLE	IF	CITATIONS
1	C63CuNQR Measurement of Stripe Order Parameter in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . Physical Review Letters, 1999, 82, 4300-4303.	7.8	223
2	63CuNQR Evidence for Spatial Variation of Hole Concentration in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ . Physical Review Letters, 2002, 88, 047602.	7.8	128
3	Isotope Engineering of Carbon Nanotube Systems. Physical Review Letters, 2005, 95, 017401.	7.8	111
4	Glassy slowing of stripe modulation in $(\text{La},\text{Eu},\text{Nd})_{2-x}(\text{Sr},\text{Ba})_x\text{CuO}_4$ : A 63Cu and 139La NQR study down to 350 mK. Physical Review B, 2001, 64, .	3.2	103
5	C13 NMR Investigation of the Superconductor MgCNi3 up to 800 K. Physical Review Letters, 2001, 87, 257601.	7.8	88
6	Systematic 63Cu NQR study of the stripe phase in $\text{La}_{1.6-x}\text{Nd}_{0.4}\text{Sr}_x\text{CuO}_4$ for $0.07 < x < 0.25$ . Physical Review B, 1999, 60, 15345-15355.	3.2	87
7	NMR Evidence for Gapped Spin Excitations in Metallic Carbon Nanotubes. Physical Review Letters, 2005, 95, 236403.	7.8	71
8	Molecular dynamics simulations of NMR relaxation and diffusion of bulk hydrocarbons and water. Journal of Magnetic Resonance, 2017, 277, 15-24.	2.1	59
9	Probing the Effect of Oil Type and Saturation on Foam Flow in Porous Media: Core-Flooding and Nuclear Magnetic Resonance (NMR) Imaging. Energy & Fuels, 2018, 32, 11177-11189.	5.1	41
10	Systematic 63Cu NQR and 89Y NMR Study of Spin Dynamics in $\text{Y}_{1-z}\text{Ca}_z\text{Ba}_2\text{Cu}_3\text{O}_y$ across the Superconductor-Insulator Boundary. Physical Review Letters, 2002, 88, 187601.	7.8	32
11	Role of internal motions and molecular geometry on the NMR relaxation of hydrocarbons. Journal of Chemical Physics, 2018, 148, 164507.	3.0	28
12	O17 NMR study of the inhomogeneous electronic state in $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ crystals. Physical Review B, 2005, 72, .	3.2	27
13	Spin Excitations of a Proximate Kitaev Quantum Spin Liquid Realized in $\text{Cu}_2\text{O}$ . Physical Review X, 2019, 9, .	8.9	27
14	Emergence of spin singlets with inhomogeneous gaps in the kagome lattice Heisenberg antiferromagnets Zn-barlowite and herbertsmithite. Nature Physics, 2021, 17, 1109-1113.	16.7	26
15	NMR spin-rotation relaxation and diffusion of methane. Journal of Chemical Physics, 2018, 148, 204504.	3.0	25
16	Interpretation of NMR Relaxation in Bitumen and Organic Shale Using Polymer-Heptane Mixes. Energy & Fuels, 2018, 32, 1534-1549.	5.1	24
17	NMR investigation of the interplay between lattice, charge, and spin dynamics in the charge-ordered high- $T_c$ cuprate. Physical Review B, 2019, 100, 080407.	3.2	24
18	Elucidating the $^1\text{H}$ NMR Relaxation Mechanism in Polydisperse Polymers and Bitumen Using Measurements, MD Simulations, and Models. Journal of Physical Chemistry B, 2020, 124, 4222-4233.	2.6	23

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19	Critical Role of Confinement in the NMR Surface Relaxation and Diffusion of $n$ -Heptane in a Polymer Matrix Revealed by MD Simulations. Journal of Physical Chemistry B, 2020, 124, 3801-3810.	2.6	23
20	Low magnetic fields for flow propagators in permeable rocks. Journal of Magnetic Resonance, 2006, 183, 167-177.	2.1	22
21	Diffusive coupling in heptane-saturated kerogen isolates evidenced by NMR $\frac{\partial T}{\partial t} = \frac{\partial}{\partial x} \left( D \frac{\partial T}{\partial x} \right) + \frac{\partial}{\partial x} \left( D \frac{\partial T}{\partial x} \right) + \frac{\partial}{\partial x} \left( D \frac{\partial T}{\partial x} \right)$ Fuel, 2020, 280, 118626.	6.4	19
22	NMR investigation on the honeycomb iridate Ag <sub>3</sub> Lir <sub>2</sub> O <sub>6</sub> . Physical Review B, 2021, 103, .	3.2	17
23	Characterization of Single-Phase Flow Through Carbonate Rocks: Quantitative Comparison of NMR Flow Propagator Measurements with a Realistic Pore Network Model. Transport in Porous Media, 2010, 81, 305-315.	2.6	14
24	Magnetic inhomogeneity in charge-ordered $\text{La}_{1-x}\text{Pr}_x\text{NiO}_2$ studied by NMR. Physical Review B, 2020, 101, .	1.885	13
25	A more accurate estimate of $\text{La}_{1-x}\text{Pr}_x\text{NiO}_2$ distribution from direct analysis of NMR measurements. Journal of Magnetic Resonance, 2013, 228, 95-103.	1.885	13
26	Distinguishing the Effect of Rock Wettability from Residual Oil on Foam Generation and Propagation in Porous Media. Energy & Fuels, 2021, 35, 7681-7692.	5.1	9
27	Influence of local fullerene orientation on the electronic properties of Na <sub>2</sub> AC <sub>60</sub> (A=Cs,Rb,K) compounds. Physical Review B, 2006, 74, .	3.2	8
28	NMR $^1\text{H}$ Dipole Relaxation in Fluids: Relaxation of Individual $^1\text{H}$ Pairs versus Relaxation of Molecular Modes. Journal of Physical Chemistry B, 2020, 124, 10802-10810.	2.6	8
29	Predicting $^1\text{H}$ NMR relaxation in Gd <sub>3</sub> -aqua using molecular dynamics simulations. Physical Chemistry Chemical Physics, 2021, 23, 20974-20984.	2.8	8
30	Freezing of the Lattice in the Kagome Lattice Heisenberg Antiferromagnet Zn-Barlowite $\text{ZnCu}_3\text{O}_{10}$	4.8	8
31	Physical Review Letters, 2022, 128, 157202. What has NMR taught us about stripes and inhomogeneity?. Physica C: Superconductivity and Its Applications, 2003, 388-389, 209-210.	1.2	6
32	Characterizing dispersivity and stagnation in porous media using NMR flow propagators. Journal of Magnetic Resonance, 2016, 270, 98-107.	2.1	6
33	NMR study of spin excitations in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3111-3116.	1.5	4
34	Fullerene local order in Na <sub>2</sub> CsC <sub>60</sub> by $^{23}\text{Na}$ NMR. Applied Magnetic Resonance, 2004, 27, 133-138.	1.2	3
35	Molecular dynamics simulations of NMR relaxation and diffusion of hydrocarbons. , 2018, .		3
36	Fast Permeability Estimation of an Unconventional Formation Core by Transient-Pressure History Matching. SPE Journal, 2020, 25, 2881-2897.	3.1	1

#	ARTICLE	IF	CITATIONS
37	Revisiting the $^{63}\text{Cu}$ NMR Signature of Charge Order in $\text{La}_{1.875}\text{Ba}_{0.125}\text{CuO}_4$ . Journal of the Physical Society of Japan, 2021, 90, 034705.	1.6	1
38	WHAT HAPPENS TO THE PETROPHYSICAL PROPERTIES OF A DUAL-POROSITY ORGANIC-RICH CHALK DURING EARLY-STAGE ORGANIC MATURATION?. , 2020, , .		1
39	NMR Evidence for $\text{C}_{60}$ Configurational Fluctuations Around Na Sites in $\text{Na}_2\text{CsC}_{60}$ . Journal of Superconductivity and Novel Magnetism, 2007, 20, 155-159.	1.8	0