Philip M Singer

List of Publications by Year
in descending order

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	Tuning of the Lattice in the Kagome Lattice Heisenberg Antiferromagnet Zn-Barlowite <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZnCu</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></ stretchy="false">(</mml:mo><mml:mrow><mml:mi>OD</mml:mi></mml:mrow><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	7.8	7
2	Physical Review Letters, 2022, 128, 157202. Predicting ¹H NMR relaxation in Gd³⁺-aqua using molecular dynamics simulations. Physical Chemistry Chemical Physics, 2021, 23, 20974-20984.	2.8	8
3	Revisiting the ⁶³Cu NMR Signature of Charge Order in La_{1.875}Ba_{0.125}CuO₄. Journal of the Physical Society of Japan, 2021, 90, 034705.	1.6	1
4	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
5	NMR investigation on the honeycomb iridate Ag3LiIr2O6. Physical Review B, 2021, 103, .	3.2	17
6	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
7	NMR ¹Hâ€“¹H Dipole Relaxation in Fluids: Relaxation of Individual ¹Hâ€“¹H Pairs versus Relaxation of Molecular Modes. Journal of Physical Chemistry B, 2020, 124, 10802-10810.	2.6	8
8	Diffusive coupling in heptane-saturated kerogen isolates evidenced by NMR <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si69.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>1</mml:mn></m xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si70.svg"><mml:mrow><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></m and <mml:math xmlns:mml=. Fuel, 2020, 280, 118626.	6.4	19
9	Elucidating the ¹H 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
10	Magnetic inhomogeneity in charge-ordered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>La</mml:mi><mml:mrow><mml:mn>1.885< studied by NMR. Physical Review B, 2020, 101, .	3.2	18
11	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
12	Fast Permeability Estimation of an Unconventional Formation Core by Transient-Pressure History Matching. SPE Journal, 2020, 25, 2881-2897.	3.1	1
13	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">La</mml:mi><mml:mprescripts /><mml:none /><mml:mn>139</mml:mn></mml:mmultiscripts></mml:math> NMR investigation of the interplay between lattice, charge, and spin dynamics in the charge-ordered high- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:ma cuprate <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow> Physical	3.2	24
14	WHAT HAPPENS TO THE PETROPHYSICAL PROPERTIES OF A DUAL-POROSITY ORGANIC-RICH CHALK DURING EARLY-STAGE ORGANIC MATURATION?. , 2020, , .		1
15	Spin Excitations of a Proximate Kitaev Quantum Spin Liquid Realized in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cu</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></ Physical Review X, 2019, 9, .	8.9	27
16	Interpretation of NMR Relaxation in Bitumen and Organic Shale Using Polymerâ€“Heptane Mixes. Energy & Fuels, 2018, 32, 1534-1549.	5.1	24
17	Role of internal motions and molecular geometry on the NMR relaxation of hydrocarbons. Journal of Chemical Physics, 2018, 148, 164507.	3.0	28
18	Molecular dynamics simulations of NMR relaxation and diffusion of hydrocarbons. , 2018, , .		3

#	Article	IF	Citations
19	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
20	NMR spin-rotation relaxation and diffusion of methane. Journal of Chemical Physics, 2018, 148, 204504.	3.0	25
21	Molecular dynamics simulations of NMR relaxation and diffusion of bulk hydrocarbons and water. Journal of Magnetic Resonance, 2017, 277, 15-24.	2.1	59
22	Characterizing dispersivity and stagnation in porous media using NMR flow propagators. Journal of Magnetic Resonance, 2016, 270, 98-107.	2.1	6
23	A more accurate estimate of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>2</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> distribution from direct analysis of NMR measurements. Journal of Magnetic Resonance, 2013, 228, 95-103.	2.1	10
24	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
25	NMR Evidence for C60 Configurational Fluctuations Around Na Sites in Na2CsC60. Journal of Superconductivity and Novel Magnetism, 2007, 20, 155-159.	1.8	0
26	NMR study of spin excitations in carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3111-3116.	1.5	4
27	Low magnetic fields for flow propagators in permeable rocks. Journal of Magnetic Resonance, 2006, 183, 167-177.	2.1	22
28	Influence of local fullerene orientation on the electronic properties ofNa2AC60(A=Cs,Rb,K)compounds. Physical Review B, 2006, 74, .	3.2	8
29	Isotope Engineering of Carbon Nanotube Systems. Physical Review Letters, 2005, 95, 017401.	7.8	111
30	NMR Evidence for Gapped Spin Excitations in Metallic Carbon Nanotubes. Physical Review Letters, 2005, 95, 236403.	7.8	71
31	O17NMR study of the inhomogeneous electronic state inLa2â^'xSrxCuO4crystals. Physical Review B, 2005, 72, .	3.2	27
32	Fullerene local order in Na2CsC60 by23Na NMR. Applied Magnetic Resonance, 2004, 27, 133-138.	1.2	3
33	What has NMR taught us about stripes and inhomogeneity?. Physica C: Superconductivity and Its Applications, 2003, 388-389, 209-210.	1.2	6
34	63CuNQR Evidence for Spatial Variation of Hole Concentration inLa2â^'xSrxCuO4. Physical Review Letters, 2002, 88, 047602.	7.8	128
35	Systematic63CuNQR and89YNMR Study of Spin Dynamics inY1â^'zCazBa2Cu3Oyacross the Superconductor-Insulator Boundary. Physical Review Letters, 2002, 88, 187601.	7.8	32
36	Glassy slowing of stripe modulation in(La,Eu,Nd)2â^'x(Sr,Ba)xCuO4:â€‚A63Cuand139LaNQR study down to 350 mK. Physical Review B, 2001, 64, .	3.2	103

#	Article	IF	Citations
37	C13 NMR Investigation of the Superconductor MgCNi3 up to 800 K. Physical Review Letters, 2001, 87, 257601.	7.8	88
38	Systematic63CuNQR study of the stripe phase inLa1.6â^'xNd0.4SrxCuO4for0.07<~x<~0.25. Physical Review B, 1999, 60, 15345-15355.	3.2	87
39	C63uNQR Measurement of Stripe Order Parameter inLa2â^'xSrxCuO4. Physical Review Letters, 1999, 82, 4300-4303.	7.8	223