

# Chris P Weber

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2572722/publications.pdf>

Version: 2024-02-01

14  
papers

937  
citations

933447

10  
h-index

1058476

14  
g-index

14  
all docs

14  
docs citations

14  
times ranked

1110  
citing authors

#	ARTICLE	IF	CITATIONS
1	Emergence of the persistent spin helix in semiconductor quantum wells. <i>Nature</i> , 2009, 458, 610-613.	27.8	474
2	Observation of spin Coulomb drag in a two-dimensional electron gas. <i>Nature</i> , 2005, 437, 1330-1333.	27.8	201
3	Nondiffusive Spin Dynamics in a Two-Dimensional Electron Gas. <i>Physical Review Letters</i> , 2007, 98, 076604.	7.8	79
4	Transient reflectance of photoexcited Cd <sub>3</sub> As <sub>2</sub> . <i>Applied Physics Letters</i> , 2015, 106, .	3.3	37
5	Similar ultrafast dynamics of several dissimilar Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	33
6	Ultrafast investigation and control of Dirac and Weyl semimetals. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	33
7	Room-temperature self-powered energy photodetector based on optically induced Seebeck effect in Cd <sub>3</sub> As <sub>2</sub> . <i>Applied Physics Express</i> , 2017, 10, 052201.	2.4	24
8	Using coherent phonons for ultrafast control of the Dirac node of SrMnSb <sub>2</sub> . <i>Physical Review B</i> , 2018, 98, .	3.2	14
9	Directly photoexcited Dirac and Weyl fermions in ZrSiS and NbAs. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	13
10	Transient Drude Response Dominates Near-Infrared Pump-Probe Reflectivity in Nodal-Line Semimetals ZrSiS and ZrSiSe. <i>Journal of Physical Chemistry Letters</i> , 2020, 11, 6105-6111.	4.6	13
11	Picosecond Single-Shot X-ray Absorption Spectroscopy for Warm and Dense Matter. <i>Synchrotron Radiation News</i> , 2012, 25, 12-16.	0.8	6
12	Rapid diffusion of electrons in GaMnAs. <i>Applied Physics Letters</i> , 2013, 102, 182402.	3.3	4
13	Diffusion of degenerate minority carriers in a p-type semiconductor. <i>Journal of Applied Physics</i> , 2013, 113, 053711.	2.5	3
14	Ambipolar spin diffusion in p-type GaAs: A case where spin diffuses more than charge. <i>Journal of Applied Physics</i> , 2017, 122, 095703.	2.5	3