

# Peter Walke

## List of Publications by Year in descending order

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Version: 2024-02-01

19  
papers

332  
citations

759233

12  
h-index

839539

18  
g-index

19  
all docs

19  
docs citations

19  
times ranked

590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable doping of graphene by using physisorbed self-assembled networks. <i>Nanoscale</i> , 2016, 8, 20017-20026.	5.6	51
2	Self-Assembled Monolayers as Templates for Linearly Nanopatterned Covalent Chemical Functionalization of Graphite and Graphene Surfaces. <i>ACS Nano</i> , 2018, 12, 11520-11528.	14.6	44
3	Silver nanowires for highly reproducible cantilever based AFM-TERS microscopy: towards a universal TERS probe. <i>Nanoscale</i> , 2018, 10, 7556-7565.	5.6	28
4	Spent Li-ion Battery Graphite Turned Into Valuable and Active Catalyst for Electrochemical Oxygen Reduction. <i>ChemSusChem</i> , 2021, 14, 1103-1111.	6.8	25
5	CO <sub>2</sub> turned into a nitrogen doped carbon catalyst for fuel cells and metal-air battery applications. <i>Green Chemistry</i> , 2021, 23, 4435-4445.	9.0	23
6	Tip-enhanced Raman scattering microscopy: Recent advance in tip production. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08NA02.	1.5	22
7	Graphene Meets Ionic Liquids: Fermi Level Engineering via Electrostatic Forces. <i>ACS Nano</i> , 2019, 13, 3512-3521.	14.6	22
8	Remote excitation-tip-enhanced Raman scattering microscopy using silver nanowire. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 08NB03.	1.5	17
9	Self-Assembled Polystyrene Beads for Templated Covalent Functionalization of Graphitic Substrates Using Diazonium Chemistry. <i>ACS Applied Materials &amp; Interfaces</i> , 2018, 10, 12005-12012.	8.0	17
10	On the Thermal Stability of Aryl Groups Chemisorbed on Graphite. <i>Journal of Physical Chemistry C</i> , 2020, 124, 1980-1990.	3.1	15
11	Area-selective passivation of sp <sup>2</sup> carbon surfaces by supramolecular self-assembly. <i>Nanoscale</i> , 2017, 9, 5188-5193.	5.6	14
12	How Does Chemisorption Impact Physisorption? Molecular View of Defect Incorporation and Perturbation of Two-Dimensional Self-Assembly. <i>Journal of Physical Chemistry C</i> , 2018, 122, 24046-24054.	3.1	14
13	One-Step Covalent Immobilization of $\beta$ -Cyclodextrin on sp <sup>2</sup> Carbon Surfaces for Selective Trace Amount Probing of Guests. <i>Advanced Functional Materials</i> , 2019, 29, 1901488.	14.9	11
14	Surface Plasmon-Assisted Site-Specific Cutting of Silver Nanowires Using Femtosecond Laser. <i>Advanced Materials Technologies</i> , 2016, 1, 1600014.	5.8	7
15	Highly controllable direct femtosecond laser writing of gold nanostructures on titanium dioxide surfaces. <i>Nanoscale</i> , 2017, 9, 13025-13033.	5.6	7
16	Facilitating Tip-Enhanced Raman Scattering on Dielectric Substrates via Electrical Cutting of Silver Nanowire Probes. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 7117-7122.	4.6	7
17	AFM Nanoshaving of Covalently Modified Graphite for Studying Molecular Self-Assembly under Lateral Nanoconfinement. <i>Journal of Physical Chemistry C</i> , 2021, 125, 21624-21634.	3.1	4
18	The effect of elevated temperatures on excitonic emission and degradation processes of WS <sub>2</sub> monolayers. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 22609-22616.	2.8	2

#	ARTICLE	IF	CITATIONS
19	Li@C60 thin films: characterization and nonlinear optical properties. RSC Advances, 2021, 12, 389-394.	3.6	2