

Jakub S Prauzner-Behcicki

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

37
papers

703
citations

15
h-index

25
g-index

41
ext. papers

802
ext. citations

4.2
avg, IF

3.81
L-index

#	Paper	IF	Citations
37	A systematic construction of Gaussian basis sets for the description of laser field ionization and high-harmonic generation. <i>Journal of Chemical Physics</i> , 2021 , 154, 094111	3.9	6
36	Three-electron correlations in strong laser field ionization. <i>Optics Express</i> , 2021 , 29, 26526-26537	3.3	0
35	Strong-field ionization of atoms with p3 valence shell: Two versus three active electrons. <i>Physical Review A</i> , 2020 , 101,	2.6	4
34	Symphony on strong field approximation. <i>Reports on Progress in Physics</i> , 2019 , 82, 116001	14.4	49
33	Rescattering effects in streaking experiments of strong-field ionization. <i>Physical Review A</i> , 2019 , 100,	2.6	3
32	Double ionization of a three-electron atom: Spin correlation effects. <i>Physical Review A</i> , 2019 , 100,	2.6	4
31	Aryl Aryl Covalent Coupling on Rutile TiO ₂ Surfaces. <i>Advances in Atom and Single Molecule Machines</i> , 2018 , 153-177	0	
30	Restricted-space ab initio models for double ionization by strong laser pulses. <i>Physical Review A</i> , 2018 , 98,	2.6	10
29	Ab initio study of time-dependent dynamics in strong-field triple ionization. <i>Physical Review A</i> , 2018 , 98,	2.6	9
28	Scanning probe microscopy studies on the adsorption of selected molecular dyes on titania. <i>Beilstein Journal of Nanotechnology</i> , 2016 , 7, 1642-1653	3	14
27	On-surface polymerization on a semiconducting oxide: aryl halide coupling controlled by surface hydroxyl groups on rutile TiO ₂ (011). <i>Chemical Communications</i> , 2015 , 51, 11276-9	5.8	34
26	Aryl Halide C-C Coupling on Ge(001):H Surfaces. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 27478-27482	3.8	10
25	Transformations of PTCDA structures on rutile TiO ₂ induced by thermal annealing and intermolecular forces. <i>Beilstein Journal of Nanotechnology</i> , 2015 , 6, 1498-507	3	8
24	Characterization of PTCDA nanocrystals on Ge(001):H-(2x1) surfaces. <i>Applied Surface Science</i> , 2015 , 332, 403-408	6.7	18
23	Polymerization of polyanthrylene on a titanium dioxide (011)-(2x1) surface. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10300-3	16.4	48
22	Polymerization of Polyanthrylene on a Titanium Dioxide (011)-(2x1) Surface. <i>Angewandte Chemie</i> , 2013 , 125, 10490-10493	3.6	12
21	STM tip-assisted engineering of molecular nanostructures: PTCDA islands on Ge(001):H surfaces. <i>Beilstein Journal of Nanotechnology</i> , 2013 , 4, 927-32	3	14

20	Supramolecular ordering of PTCDA molecules: the key role of dispersion forces in an unusual transition from physisorbed into chemisorbed state. <i>ACS Nano</i> , 2012 , 6, 8536-45	16.7	45
19	[11]Anthrahelicene on TiO ₂ surfaces. <i>Surface Science</i> , 2012 , 606, 1600-1607	1.8	14
18	Atomic- and molecular-scale devices and systems for single-molecule electronics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2012 , 209, 603-613	1.6	19
17	Adsorption of organic molecules on the TiO ₂ (011) surface: STM study. <i>Journal of Chemical Physics</i> , 2011 , 134, 224701	3.9	34
16	Chemical Functionalization of the TiO ₂ (110)-(1 × 1) Surface by Deposition of Terephthalic Acid Molecules. A Density Functional Theory and Scanning Tunneling Microscopy Study. <i>Journal of Physical Chemistry C</i> , 2011 , 115, 4134-4144	3.8	25
15	Structure of the indium-rich InSb(001) surface. <i>Physical Review B</i> , 2010 , 82,	3.3	14
14	Controlled reorientation of CuPc molecules in ordered structures assembled on the TiO ₂ (2)(011)-(2x1) surface. <i>ChemPhysChem</i> , 2010 , 11, 1863-6	3.2	13
13	[11]Anthrahelicene on InSb(001) c(8 × 8): a low-temperature scanning probe microscopy study. <i>ChemPhysChem</i> , 2010 , 11, 3522-8	3.2	9
12	Phase effects in double ionization by strong short pulses. <i>Chemical Physics</i> , 2010 , 370, 168-174	2.3	15
11	Adsorption of large organic molecules on clean and hydroxylated rutile TiO ₂ (110) surfaces. <i>ChemPhysChem</i> , 2009 , 10, 3278-84	3.2	12
10	High-Resolution STM Studies of Terephthalic Acid Molecules on Rutile TiO ₂ (110)-(1 × 1) Surfaces. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 9309-9315	3.8	42
9	Self-Assembly of Terephthalic Acid on Rutile TiO ₂ (110): Toward Chemically Functionalized Metal Oxide Surfaces. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 12606-12609	3.8	37
8	Quantum model for double ionization of atoms in strong laser fields. <i>Physical Review A</i> , 2008 , 78,	2.6	19
7	Suppression of correlated electron escape in double ionization in strong laser fields. <i>Physical Review A</i> , 2008 , 77,	2.6	6
6	Momentum distributions after double ionization. <i>Chaos</i> , 2008 , 18, 041110	3.3	
5	Time-resolved quantum dynamics of double ionization in strong laser fields. <i>Physical Review Letters</i> , 2007 , 98, 203002	7.4	52
4	Nonsequential Double Ionization of Atoms in Strong Laser Pulses. <i>Acta Physica Polonica A</i> , 2007 , 112, 699-706	0.6	2
3	Nonsequential double ionization of molecules. <i>Physical Review A</i> , 2005 , 71,	2.6	18

- 2 Two-mode squeezed vacuum state coupled to the common thermal reservoir. *Journal of Physics A*, **2004**, 37, L173-L181 83
- 1 Strong-field triple ionisation of atoms with p3 valence shell. *Journal of Physics B: Atomic, Molecular and Optical Physics*, 1,3 1