

# Anton Tadich

## List of Publications by Year in descending order

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103  
papers

3,514  
citations

172457

29  
h-index

149698

56  
g-index

103  
all docs

103  
docs citations

103  
times ranked

6462  
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of a Stable Surface Oxide in MnBi <sub>2</sub> Te <sub>4</sub> Thin Films. ACS Applied Materials & Interfaces, 2022, 14, 6102-6108.	8.0	5
2	Fluorination of the silicon-terminated (100) diamond surface using C60F48. Diamond and Related Materials, 2022, 126, 109084.	3.9	0
3	Magnesium-intercalated graphene on SiC: Highly n-doped air-stable bilayer graphene at extreme displacement fields. Applied Surface Science, 2021, 541, 148612.	6.1	11
4	The effect of salt and particle concentration on the dynamic self-assembly of detonation nanodiamonds in water. Nanoscale, 2021, 13, 14110-14118.	5.6	11
5	Low-Temperature Growth of Graphene on a Semiconductor. Journal of Physical Chemistry C, 2021, 125, 4243-4252.	3.1	6
6	Crossover from 2D Ferromagnetic Insulator to Wide Band Gap Quantum Anomalous Hall Insulator in Ultrathin MnBi <sub>2</sub> Te <sub>4</sub> . ACS Nano, 2021, 15, 13444-13452.	14.6	31
7	Role of Order in the Mechanism of Charge Transport across Single-Stranded and Double-Stranded DNA Monolayers in Tunnel Junctions. Journal of the American Chemical Society, 2021, 143, 20309-20319.	13.7	19
8	Increasing the Rate of Magnesium Intercalation Underneath Epitaxial Graphene on 6H-SiC(0001). Advanced Materials Interfaces, 2021, 8, 2101598.	3.7	6
9	Freestanding n-Doped Graphene via Intercalation of Calcium and Magnesium into the Buffer Layer-SiC(0001) Interface. Chemistry of Materials, 2020, 32, 6464-6482.	6.7	28
10	On-Surface Synthesis of Nitrogen-Substituted Gold-Phosphorus Porous Network. Chemistry of Materials, 2020, 32, 8561-8566.	6.7	3
11	High performance broadband photo and soft X-ray detectors based on two dimensional CrSiTe <sub>3</sub> . Journal of Materials Chemistry C, 2020, 8, 6659-6666.	5.5	13
12	Epitaxial Formation of SiC on (100) Diamond. ACS Applied Electronic Materials, 2020, 2, 2003-2009.	4.3	5
13	Designing Kagome Lattice from Potassium Atoms on Phosphorus-Gold Surface Alloy. Nano Letters, 2020, 20, 5583-5589.	9.1	20
14	Fluorescence and Physico-Chemical Properties of Hydrogenated Detonation Nanodiamonds. Journal of Carbon Research, 2020, 6, 7.	2.7	8
15	Development of a silicon-diamond interface on (111) diamond. Applied Physics Letters, 2020, 116, .	3.3	6
16	Electronic Band Structure of In-Plane Ferroelectric van der Waals $\text{In}_2\text{Se}_3$ . ACS Applied Electronic Materials, 2020, 2, 213-219.	4.3	26
17	Increased activity in the oxygen evolution reaction by Fe <sup>4+</sup> -induced hole states in perovskite $\text{La}_{1-x}\text{Sr}_x\text{FeO}_3$ . Journal of Materials Chemistry A, 2020, 8, 4407-4415.	10.3	78
18	Enantiospecific Adsorption and Decomposition of Cysteine Enantiomers on the Chiral Cu{421} <sub>R</sub> Surface. Journal of Physical Chemistry C, 2019, 123, 20829-20837.	3.1	8

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19	Reversible Oxidation of Blue Phosphorus Monolayer on Au(111). Nano Letters, 2019, 19, 5340-5346.	9.1	27
20	Perovskite X-ray Detectors: Flexible, Printable Soft X-ray Detectors Based on All-inorganic Perovskite Quantum Dots (Adv. Mater. 30/2019). Advanced Materials, 2019, 31, 1970214.	21.0	18
21	Strain-Induced Isomerization in One-Dimensional Metal-Organic Chains. Angewandte Chemie - International Edition, 2019, 58, 18591-18597.	13.8	37
22	Is Charge-Transfer Doping Possible at the Interfaces of Monolayer VSe <sub>2</sub> with MoO <sub>3</sub> and K?. ACS Applied Materials & Interfaces, 2019, 11, 43789-43795.	8.0	3
23	Electronic structure and $p$ -type conduction mechanism of spinel cobaltite oxide thin films. Physical Review B, 2019, 100, .	3.2	54
24	Flexible, Printable Soft X-ray Detectors Based on All-inorganic Perovskite Quantum Dots. Advanced Materials, 2019, 31, e1901644.	21.0	221
25	Elucidating the electronic structure of CuWO <sub>4</sub> thin films for enhanced photoelectrochemical water splitting. Journal of Materials Chemistry A, 2019, 7, 11895-11907.	10.3	67
26	Tuning the Electronic Structure of NiO via Li Doping for the Fast Oxygen Evolution Reaction. Chemistry of Materials, 2019, 31, 419-428.	6.7	78
27	Electron effective attenuation length in epitaxial graphene on SiC. Nanotechnology, 2019, 30, 025704.	2.6	6
28	Evidence for Primal $sp^2$ Defects at the Diamond Surface: Candidates for Electron Trapping and Noise Sources. Advanced Materials Interfaces, 2019, 6, 1801449.	3.7	75
29	Quasi free-standing epitaxial graphene fabrication on 3C-SiC/Si(111). Nanotechnology, 2018, 29, 145601.	2.6	13
30	XPS/NEXAFS spectroscopic and conductance studies of glycine on AlGaN/GaN transistor devices. Applied Surface Science, 2018, 435, 23-30.	6.1	6
31	Electric-field-tuned topological phase transition in ultrathin Na <sub>3</sub> Bi. Nature, 2018, 564, 390-394.	27.8	155
32	Thermal Stability and Oxidation of Group IV Terminated (100) Diamond Surfaces. Physica Status Solidi (A) Applications and Materials Science, 2018, 215, 1800283.	1.8	7
33	Iron-based trinuclear metal-organic nanostructures on a surface with local charge accumulation. Nature Communications, 2018, 9, 3211.	12.8	31
34	Solid source growth of graphene with Ni-Cu catalysts: towards high quality <i>in situ</i> graphene on silicon. Journal Physics D: Applied Physics, 2017, 50, 095302.	2.8	20
35	Germanium terminated (100) diamond. Journal of Physics Condensed Matter, 2017, 29, 145002.	1.8	7
36	P-type surface transfer doping of oxidised silicon terminated (100) diamond. Applied Physics Letters, 2017, 110, .	3.3	14

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37	Depth-profiling of Yb <sup>3+</sup> sensitizer ions in NaYF <sub>4</sub> upconversion nanoparticles. <i>Nanoscale</i> , 2017, 9, 7719-7726.	5.6	36
38	Adsorption differences between low coverage enantiomers of alanine on the chiral Cu <sub>421</sub> surface. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 13562-13570.	2.8	6
39	Probing the effect of the Pt-Ni-Pt(111) bimetallic surface electronic structures on the ammonia decomposition reaction. <i>Nanoscale</i> , 2017, 9, 666-672.	5.6	22
40	Oxidation of the silicon terminated (100) diamond surface. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 025003.	1.8	14
41	Quick AS NEXAFS Tool (QANT): a program for NEXAFS loading and analysis developed at the Australian Synchrotron. <i>Journal of Synchrotron Radiation</i> , 2016, 23, 374-380.	2.4	110
42	Electronic Properties of High-Quality Epitaxial Topological Dirac Semimetal Thin Films. <i>Nano Letters</i> , 2016, 16, 3210-3214.	9.1	47
43	The surface electronic structure of silicon terminated (100) diamond. <i>Nanotechnology</i> , 2016, 27, 275201.	2.6	24
44	Molecular Doping the Topological Dirac Semimetal Na <sub>3</sub> Bi across the Charge Neutrality Point with F4-TCNQ. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16412-16418.	8.0	21
45	Probing Long- and Short-Range Disorder in Y <sub>2</sub> Ti <sub>2</sub> X <sub>2</sub> Hf <sub>7</sub> O <sub>7</sub> by Diffraction and Spectroscopy Techniques. <i>Journal of Physical Chemistry C</i> , 2016, 120, 26465-26479.	3.1	18
46	High resolution core level spectroscopy of hydrogen-terminated (1 0 0) diamond. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 305001.	1.8	13
47	NEXAFS N K-edge study of the bonding structure on Al/Si doped sputtered CrN coatings. <i>Journal of Alloys and Compounds</i> , 2016, 661, 268-273.	5.5	13
48	Metal Evaporation-Induced Degradation of Fullerene Acceptors in Polymer/Fullerene Solar Cells. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 2247-2254.	8.0	13
49	Molecular nitrogen acceptors in ZnO nanowires induced by nitrogen plasma annealing. <i>Physical Review B</i> , 2015, 92, .	3.2	24
50	Extremely high negative electron affinity of diamond via magnesium adsorption. <i>Physical Review B</i> , 2015, 92, .	3.2	34
51	Nitrogen Terminated Diamond. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500079.	3.7	61
52	Creating a Stable Oxide at the Surface of Black Phosphorus. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 14557-14562.	8.0	318
53	Single-Molecule Imaging of Activated Nitrogen Adsorption on Individual Manganese Phthalocyanine. <i>Nano Letters</i> , 2015, 15, 3181-3188.	9.1	22
54	A graphene field-effect transistor as a molecule-specific probe of DNA nucleobases. <i>Nature Communications</i> , 2015, 6, 6563.	12.8	90

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55	Reversible Tuning of Interfacial and Intramolecular Charge Transfer in Individual MnPc Molecules. Nano Letters, 2015, 15, 8091-8098.	9.1	12
56	Validation of Soil Phosphate Removal by Alkaline and Acidic Reagents in a Vertosol Soil using XANES Spectroscopy. Communications in Soil Science and Plant Analysis, 2015, 46, 1998-2017.	1.4	11
57	Formation of a silicon terminated (100) diamond surface. Applied Physics Letters, 2015, 106, .	3.3	28
58	Graphene field effect transistor as a probe of electronic structure and charge transfer at organic molecule-graphene interfaces. Nanoscale, 2015, 7, 1471-1478.	5.6	34
59	Direct observation of phonon emission from hot electrons: spectral features in diamond secondary electron emission. Journal of Physics Condensed Matter, 2014, 26, 395008.	1.8	4
60	Air-stable doping of Bi <sub>2</sub> Se <sub>3</sub> by MoO <sub>3</sub> into the topological regime. , 2014, , .		0
61	Surface and interface analysis of poly-hydroxyethylmethacrylate-coated anodic aluminium oxide membranes. Applied Surface Science, 2014, 289, 560-563.	6.1	14
62	Phase Transformation in Laser-Induced Micro-Explosion in Olivine (Fe,Mg) <sub>2</sub> SiO <sub>4</sub> . Advanced Engineering Materials, 2014, 16, 767-773.	3.5	16
63	Band alignments of different buffer layers (CdS, Zn(O,S), and In <sub>2</sub> S <sub>3</sub> ) on Cu <sub>2</sub> ZnSnS <sub>4</sub> . Applied Physics Letters, 2014, 104, .	3.3	148
64	Diffraction and spectroscopic study of pyrochlores Bi <sub>2</sub> Fe <sub>1+x</sub> SbO <sub>7</sub> . Journal of Alloys and Compounds, 2014, 589, 425-430.	5.5	8
65	Photoelectron emission from lithiated diamond. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 2209-2222.	1.8	30
66	Air-Stable Electron Depletion of Bi <sub>2</sub> Se <sub>3</sub> Using Molybdenum Trioxide into the Topological Regime. ACS Nano, 2014, 8, 6400-6406.	14.6	29
67	Stability and Surface Reconstruction of Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> on Exposure to Atmosphere. Journal of Physical Chemistry C, 2014, 118, 20413-20419.	3.1	62
68	Charge Transfer Doping of Silicon. Physical Review Letters, 2014, 112, 155502.	7.8	22
69	The templated growth of a chiral transition metal chalcogenide. Surface Science, 2014, 629, 94-101.	1.9	4
70	Tuning the charge carriers in epitaxial graphene on SiC(0001) from electron to hole via molecular doping with C <sub>60</sub> F <sub>48</sub> . Applied Physics Letters, 2013, 102, .	3.3	29
71	NEXAFS spectroscopy of CVD diamond films exposed to fusion relevant hydrogen plasma. Diamond and Related Materials, 2013, 34, 45-49.	3.9	19
72	Structural and magnetic studies of the electron doped manganites Sr <sub>0.65</sub> Pr <sub>0.35</sub> Ce <sub>x</sub> MnO <sub>3</sub> (0.00 ≤ x ≤ 0.04). <a href="#">arXiv:1408.1871 [cond-mat.str-el]</a>		0

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73	Doping efficiency and energy-level scheme in C60F48-doped zinc tetraphenylporphyrin films. <i>Organic Electronics</i> , 2013, 14, 169-174.	2.6	22
74	Investigating the Local Structure of Lanthanoid Hafnates $\text{Ln}_2\text{Hf}_2\text{O}_7$ via Diffraction and Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2013, 117, 2266-2273.	3.1	80
75	Anion Disorder in Lanthanoid Zirconates $\text{Gd}_2\text{xTbxZr}_2\text{O}_7$ . <i>Inorganic Chemistry</i> , 2013, 52, 8409-8415.	4.0	20
76	Valence-band structure and critical point energies of diamond along [100]. <i>Physical Review B</i> , 2013, 87, .	3.2	7
77	Diamond Surfaces with Air-Stable Negative Electron Affinity and Giant Electron Yield Enhancement. <i>Advanced Functional Materials</i> , 2013, 23, 5608-5614.	14.9	58
78	Surface transfer doping of hydrogen-terminated diamond by C60F48: Energy level scheme and doping efficiency. <i>Journal of Chemical Physics</i> , 2012, 136, 124701.	3.0	59
79	p-f hybridization in the ferromagnetic semiconductor HoN. <i>Applied Physics Letters</i> , 2012, 100, 072108.	3.3	10
80	Surface transfer doping of diamond with a molecular heterojunction. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	17
81	Investigating the Enantioselectivity of Alanine on a Chiral $\text{Cu}_{421}^{\text{R}}$ Surface. <i>Journal of Physical Chemistry C</i> , 2012, 116, 9472-9480.	3.1	19
82	New Insights into the Substrate-Plasma Polymer Interface. <i>Journal of Physical Chemistry B</i> , 2011, 115, 6495-6502.	2.6	23
83	Work function, band bending, and electron affinity in surface conducting (100) diamond. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2011, 208, 2062-2066.	1.8	25
84	Fluorination of the diamond surface by photoinduced dissociation of C60F48. <i>Physical Review B</i> , 2011, 84, .	3.2	15
85	Determining the Orientation of a Chiral Substrate Using Full-Hemisphere Angle-Resolved Photoelectron Spectroscopy. <i>Physical Review Letters</i> , 2011, 107, 175501.	7.8	5
86	Electronic structure of EuN: Growth, spectroscopy, and theory. <i>Physical Review B</i> , 2011, 84, .	3.2	38
87	Surface band bending and electron affinity as a function of hole accumulation density in surface conducting diamond. <i>Applied Physics Letters</i> , 2011, 98, 102101.	3.3	28
88	The Current Performance of the Wide Range (90-2500 eV) Soft X-ray Beamline at the Australian Synchrotron. <i>AIP Conference Proceedings</i> , 2010, , .	0.4	168
89	Full Hemisphere Fermi Surface Mapping Using A Novel Toroidal Electron Spectrometer. , 2010, , .		3
90	Sculpting nanoscale precipitation patterns in nanocomposite thin films via hyperthermal ion deposition. <i>Applied Physics Letters</i> , 2010, 97, .	3.3	14

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91	Electronic States Studies of ZnO•TiO[sub 2] Core-Shell Nanostructure by Photoelectron Spectroscopy and X-Ray Absorption Near Edge Spectroscopy. , 2010, , .		0
92	Apparent "three-dimensional" Fermi surface of transition-metal monolayers. Physical Review B, 2009, 79, .	3.2	5
93	Photoabsorption and photoemission of magnesium diboride at the Mg K edge. Journal of Physics Condensed Matter, 2009, 21, 405701.	1.8	4
94	Electronic properties of clean unreconstructed 6H•SiC(0001) surfaces studied by angle resolved photoelectron spectroscopy. Surface Science, 2006, 600, 3845-3850.	1.9	13
95	Structural and electronic properties of graphite layers grown on SiC(0001). Surface Science, 2006, 600, 3906-3911.	1.9	178
96	Publisher's Note: Correlation effects at idealSiC{0001}•(1Å–1)surfaces [Phys. Rev. B73, 075412 (2006)]. Physical Review B, 2006, 73, .	3.2	1
97	Correlation effects at idealSiC{0001}•(1Å–1)surfaces. Physical Review B, 2006, 73, .	3.2	22
98	Mapping disorder•order induced changes to the Fermi surface of Cu3Au using a new toroidal electron energy analyser. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 515-518.	1.7	1
99	First results from a second generation toroidal electron spectrometer. Journal of Electron Spectroscopy and Related Phenomena, 2005, 144-147, 1001-1004.	1.7	59
100	Surface Band Structure Studies of Si Rich Reconstructions on 4H-SiC(1-100). Materials Science Forum, 2005, 483-485, 547-550.	0.3	4
101	Hydrogen terminated4H•SiC(11Å•00)and(112Å•0)surfaces studied by synchrotron x-ray photoelectron spectroscopy. Physical Review B, 2005, 71, .	3.2	33
102	Al2O3 prepared by atomic layer deposition as gate dielectric on 6H-SiC(0001). Applied Physics Letters, 2003, 83, 1830-1832.	3.3	98
103	Estimate of control voltage tolerances for a photo-electron analyzer of toroidal design. Brazilian Journal of Physics, 2003, 33, 788-791.	1.4	2