Veit Wagner

List of Publications by Year
in descending order

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Version: 2024-02-01

66	1,310	471509	361022
papers	citations	17 h-index	35 g-index

66	66	66	2302
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Discrete, Cationic Palladium(II)â€Oxo Clusters via fâ€Metal Ion Incorporation and their Macrocyclic Hostâ€Guest Interactions with Sulfonatocalixarenes. Angewandte Chemie - International Edition, 2022, 61, .	13.8	20
2	Discrete Arsonate-Grafted Inverted-Keggin 12-Molybdate Ion [Mo₁₂O₃₂(OH)₂(4-N₃C₂H₂-C₆H₄-H₄<s and Formation of a Copper(II)-Mediated Metalâ€“Organic Framework. Inorganic Chemistry, 2022, , .	4.6	0
3	Improving Lithiumâ€Ion Halfâ€/Fullâ€Cell Performance of WO₃â€Protected SnO₂ Coreâ€Shell Nanoarchitectures. ChemSusChem, 2021, 14, 917-928.	6.8	7
4	High speed picoliter droplet top-view analysis for advancing and receding contact angles, boiling regimes and droplet-droplet interaction. International Journal of Heat and Mass Transfer, 2021, 169, 120939.	4.8	5
5	Mechanical transfer of electrochemically grown molybdenum sulfide layers to silicon wafer. Journal of Applied Electrochemistry, 2021, 51, 1279-1286.	2.9	3
6	Electrochemically Deposited Amorphous Cobaltâ€“Nickel-Doped Copper Oxide as an Efficient Electrocatalyst toward Water Oxidation Reaction. ACS Omega, 2021, 6, 19419-19426.	3.5	14
7	Growth of ultra-thin large sized 2D flakes at airâ€“liquid interface to obtain 2D-WS2 monolayers. Journal Physics D: Applied Physics, 2021, 54, 065301.	2.8	3
8	Polyoxopalladate-Loaded Metalâ€“Organic Framework (POP@MOF): Synthesis and Heterogeneous Catalysis. Inorganic Chemistry, 2020, 59, 10512-10521.	4.0	23
9	Tailored Î²-diketones as effective surface passivation for solution processed zinc oxide thin film transistors. Organic Electronics, 2020, 86, 105906.	2.6	1
10	Palladium(II)-Containing Tungstoarsenate(V), [Pd^{II}₄(As₂W₁₅O₅₆)₂]^{16â€“}, and Its Catalytic Properties. Inorganic Chemistry, 2020, 59, 13042-13049.	4.0	5
11	Tetra-Mn^{III}-Containing 30-Tungsto-4-phosphate, [Mn^{III}₄(H₂O)₂(P₂W₁₅O₅₆)₂ Synthesis, Structure, XPS, Magnetism, and Electrochemical Study. Inorganic Chemistry, 2020, 59, 13034-13041.	4.0	7
12	Insights into ultrafast charge-pair dynamics in P3HT:PCBM devices under the influence of static electric fields. RSC Advances, 2020, 10, 42754-42764.	3.6	2
13	Non-resonant metal-oxide metasurfaces for efficient perovskite solar cells. Solar Energy, 2020, 198, 570-577.	6.1	23
14	Peroxo-Cerium(IV)-Containing Polyoxometalates: [Ce^{IV}₆(O₂)₉(GeW₁₀O₃₇)₃]<sup>24â€“</s a Recyclable Homogeneous Oxidation Catalyst. Inorganic Chemistry, 2019, 58, 11300-11307.	4.0	17
15	Color Sensing by Optical Antennas: Approaching the Quantum Efficiency Limit. ACS Photonics, 2019, 6, 2041-2048.	6.6	12
16	Modeling of photoactive area spreading in unstructured photovoltaic cells. Solar Energy Materials and Solar Cells, 2019, 200, 110011.	6.2	4
17	Ultrafast polaron-pair dynamics in a poly(3-hexylthiophene-2,5-diyl) device influenced by a static electric field: insights into electric-field-related charge loss. Physical Chemistry Chemical Physics, 2019, 21, 21236-21248.	2.8	12
18	Discovery of Polyoxo-Noble-Metalate-Based Metalâ€“Organic Frameworks. Journal of the American Chemical Society, 2019, 141, 3385-3389.	13.7	43

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19	High mobility solution processed MoS2 thin film transistors. Solid-State Electronics, 2019, 158, 75-84.	1.4	16
20	Realizing high aspect ratio silver micro and nanostructures by microcontact printing of alkyl thiol self-assembled monolayers. MRS Advances, 2019, 4, 2441-2451.	0.9	1
21	Synthesis and Characterization of Oxazaborinin Phosphonate for Blue OLED Emitter Applications. ChemPhysChem, 2019, 20, 665-671.	2.1	7
22	Measurement of Hansen solubility parameters for organophilic fluoromica and evaluation of potential solvents for exfoliation. Applied Clay Science, 2018, 155, 120-125.	5.2	7
23	Prediction of delamination state of 2D filler materials in cyclic olefin copolymer for enhanced barrier applications. Composite Structures, 2018, 202, 853-859.	5.8	3
24	Toxicity and phototoxicity in human ARPE-19 retinal pigment epithelium cells of dyes commonly used in retinal surgery. European Journal of Ophthalmology, 2018, 28, 433-440.	1.3	14
25	Femtosecond Time-Resolved Transient Absorption Spectroscopy with Sub-Diffraction-Limited Spatial Resolution Reveals Accelerated Exciton Loss at Gold-Poly(3-Hexylthiophene) Interface. Journal of Physical Chemistry C, 2018, 122, 3454-3462.	3.1	7
26	Solution processed thin film transistor from liquid phase exfoliated MoS2 flakes. Solid-State Electronics, 2018, 141, 58-64.	1.4	24
27	Influence of temperature on morphological and optical properties of MoS2 layers as grown based on solution processed precursor. Thin Solid Films, 2018, 645, 38-44.	1.8	11
28	Controlled growth of ZnO nanorods via self-assembled monolayer. Journal of Applied Electrochemistry, 2018, 48, 85-94.	2.9	5
29	Standing wave spectrometer with semi-transparent organic detector. Journal of Materials Chemistry C, 2018, 6, 11457-11464.	5.5	3
30	Growth of large sized two-dimensional MoS₂ flakes in aqueous solution. Nanoscale, 2017, 9, 6575-6580.	5.6	17
31	Determining Material-Specific Morphology of Bulk-Heterojunction Organic Solar Cells Using AFM Phase Imaging. Journal of Physical Chemistry C, 2017, 121, 9173-9180.	3.1	16
32	Towards 3D organic solar cells. Nano Energy, 2017, 31, 582-589.	16.0	18
33	Analytical and numerical analysis of charge carriers extracted by linearly increasing voltage in a metal-insulator-semiconductor structure relevant to bulk heterojunction organic solar cells. Journal Physics D: Applied Physics, 2017, 50, 495107.	2.8	0
34	In-situ TEM Analyses over FIB Lamellae - Investigating High Temperature Conversion of Solution Processed Mo-precursor to MoS₂ Semiconductor Films.. Microscopy and Microanalysis, 2017, 23, 258-259.	0.4	1
35	Analytical model (CELIC) for describing organic and inorganic solar cells based on drift-diffusion calculations. Applied Physics Letters, 2017, 111, 023506.	3.3	2
36	Direct Visualization of Charge-Extraction in Metal-Mesh Based OPV Cells by Light-Biased LBIC. IEEE Journal of Photovoltaics, 2017, 7, 1042-1049.	2.5	4

#	Article	IF	Citations
37	Comparison of Light Trapping in Silicon Nanowire and Surface Textured Thin-Film Solar Cells. Applied Sciences (Switzerland), 2017, 7, 427.	2.5	12
38	Gap States in Small Molecule Thinâ€Film Transistors. Advanced Electronic Materials, 2016, 2, 1500179.	5.1	12
39	Effects of post-lift-off annealing conditions on contact oxidation of Tiâ€“Au top-contacts in In-Snâ€“Znâ€“O TFT. Materials Science in Semiconductor Processing, 2015, 34, 291-296.	4.0	5
40	New insights on traps states in organic semiconductor applying illumination-free transient current method. Organic Electronics, 2015, 25, 112-120.	2.6	8
41	Interfaces analysis by impedance spectroscopy and transient current spectroscopy on semiconducting polymers based metalâ€“insulatorâ€“semiconductor capacitors. Organic Electronics, 2015, 24, 303-314.	2.6	21
42	Cyclic potential growth mechanism for electropolymerized polythiophenes as anode buffer layers in P3HTâ€“PCBM solar cells. Physica Status Solidi (A) Applications and Materials Science, 2014, 211, 1634-1639.	1.8	7
43	Controlled electrodeposition of ZnO nanostructures for enhanced light scattering properties. Journal of Applied Electrochemistry, 2014, 44, 613-620.	2.9	3
44	Fabrication and Charge Transport Modeling of Thin-Film Transistor Based on Carbon Nanotubes Network. IEEE Nanotechnology Magazine, 2014, 13, 795-804.	2.0	6
45	Zinc oxide nanowire arrays for silicon core/shell solar cells. Optics Express, 2014, 22, A622.	3.4	16
46	Stability and spacial trap state distribution of solution processed ZnO-thin film transistors. Journal of Applied Physics, 2013, 113, .	2.5	19
47	Feasible industrial fabrication of thin film transistor based on randomized network of single walled carbon nanotubes. , 2013, , .		2
48	Long-term stabilization of sprayed zinc oxide thin film transistors by hexafluoropropylene oxide self assembled monolayers. Journal of Applied Physics, 2013, 114, .	2.5	6
49	Leidenfrost temperature related CVD-like growth mechanism in ZnO-TFTs deposited by pulsed spray pyrolysis. Journal of Crystal Growth, 2013, 363, 185-189.	1.5	22
50	Spray pyrolysis of ZnOâ€“TFTs utilizing a perfume atomizer. Solid-State Electronics, 2013, 86, 22-26.	1.4	24
51	Charge transport analysis of poly(3-hexylthiophene) by electroreflectance spectroscopy. Physical Review B, 2013, 87, .	3.2	8
52	Chemical composition and temperature dependent performance of ZnO-thin film transistors deposited by pulsed and continuous spray pyrolysis. Journal of Applied Physics, 2013, 114, .	2.5	11
53	On the Origin of Contact Resistances of Organic Thin Film Transistors. Advanced Materials, 2012, 24, 4005-4009.	21.0	111
54	Transient Grating Studies of Femtosecond Processes in Ultraâ€Thin Layers of PTCDA. ChemPhysChem, 2012, 13, 477-481.	2.1	1

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55	Unconventional Faceâ€On Texture and Exceptional Inâ€Plane Order of a High Mobility nâ€Type Polymer. Advanced Materials, 2010, 22, 4359-4363.	21.0	344
56	Influence of the semiconductor thickness on the charge carrier mobility in P3HT organic field-effect transistors in top-gate architecture on flexible substrates. Organic Electronics, 2010, 11, 814-819.	2.6	73
57	Organic transistors realized by an environmental friendly microcontact printing approach. Organic Electronics, 2010, 11, 831-835.	2.6	11
58	(Invited) Electrical and Environmental Stability of Organic Transistors. ECS Transactions, 2010, 33, 251-254.	0.5	0
59	Scaling limits and MHz operation in thiopheneâ€based fieldâ€effect transistors. Physica Status Solidi (A) Applications and Materials Science, 2008, 205, 612-625.	1.8	20
60	Microstructuring by microcontact printing and selective surface dewetting. Journal of Vacuum Science & Technology B, 2007, 25, 1321.	1.3	11
61	Microcontact printing and selective surface dewetting for large area electronic applications. Thin Solid Films, 2007, 515, 7679-7682.	1.8	38
62	Electrical stability of pentacene thin film transistors. Organic Electronics, 2007, 8, 749-758.	2.6	76
63	Surface reconstructions of IIâ€VI compound semiconductor surfaces. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 3183-3190.	0.8	2
64	Megahertz operation of organic field-effect transistors based on poly(3-hexylthiopene). Applied Physics Letters, 2006, 89, 243515.	3.3	77
65	Electrical Characterization of Vacuum Deposited and Solution Processed DH4T Thin Film Transistors. Materials Research Society Symposia Proceedings, 2003, 771, 1031.	0.1	3
66	Discrete, Cationic Palladium(II)â€Oxo Clusters viaÂfâ€Metal Ion Incorporation and their Macrocyclic Hostâ€Guest Interactions with Sulfonatocalixarenes. Angewandte Chemie, 0, , .	2.0	4