

Michael T Yeung

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5113683/publications.pdf>

Version: 2024-02-01

29
papers

1,901
citations

394286

19
h-index

501076

28
g-index

34
all docs

34
docs citations

34
times ranked

2603
citing authors

#	ARTICLE	IF	CITATIONS
1	Tungsten tetraboride, an inexpensive superhard material. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 10958-10962.	3.3	299
2	Rediscovering the Crystal Chemistry of Borides. Advanced Materials, 2017, 29, 1604506.	11.1	260
3	Vapor-Phase Polymerization of Nanofibrillar Poly(3,4-ethylenedioxythiophene) for Supercapacitors. ACS Nano, 2014, 8, 1500-1510.	7.3	217
4	Mechanochemical synthesis and thermoelectric properties of high quality magnesium silicide. Journal of Materials Chemistry, 2011, 21, 12259.	6.7	204
5	High Surface Area Tunnels in Hexagonal WO ₃ . Nano Letters, 2015, 15, 4834-4838.	4.5	144
6	Ultraincompressible, Superhard Materials. Annual Review of Materials Research, 2016, 46, 465-485.	4.3	92
7	Superhard Monoborides: Hardness Enhancement through Alloying in W _{1-x} Ta _x B. Advanced Materials, 2016, 28, 6993-6998.	11.1	75
8	Extrinsic Hardening of Superhard Tungsten Tetraboride Alloys with Group 4 Transition Metals. Journal of the American Chemical Society, 2016, 138, 5714-5721.	6.6	64
9	Lithium-Ion Insertion Properties of Solution-Exfoliated Germanane. ACS Nano, 2017, 11, 7995-8001.	7.3	63
10	Enhancing the Hardness of Superhard Transition-Metal Borides: Molybdenum-Doped Tungsten Tetraboride. Chemistry of Materials, 2016, 28, 632-637.	3.2	60
11	Superhard Mixed Transition Metal Dodecaborides. Chemistry of Materials, 2016, 28, 6605-6612.	3.2	57
12	Graphene-Assisted Solution Growth of Vertically Oriented Organic Semiconducting Single Crystals. ACS Nano, 2015, 9, 9486-9496.	7.3	46
13	Effects of Variable Boron Concentration on the Properties of Superhard Tungsten Tetraboride. Journal of the American Chemical Society, 2017, 139, 17120-17127.	6.6	35
14	Stabilization of HfB ₁₂ in Y _{1-x} Hf _x B ₁₂ under Ambient Pressure. Inorganic Chemistry, 2016, 55, 5051-5055.	1.9	33
15	Furthering Our Understanding of the Doping Mechanism in Conjugated Polymers Using Tetraaniline. Macromolecules, 2017, 50, 5892-5897.	2.2	28
16	Spontaneous Non-stoichiometry and Ordering in Degenerate but Gapped Transparent Conductors. Matter, 2019, 1, 280-294.	5.0	27
17	Two-Dimensional Covalent Organic Framework Solid Solutions. Journal of the American Chemical Society, 2021, 143, 7081-7087.	6.6	27
18	Effects of Dodecaboride-Forming Metals on the Properties of Superhard Tungsten Tetraboride. Chemistry of Materials, 2018, 30, 3559-3570.	3.2	24

#	ARTICLE	IF	CITATIONS
19	Stabilization of LnB ₁₂ (Ln = Gd, Sm, Nd, and Pr) in Zr _{1-x} Ln _x B ₁₂ under Ambient Pressure. <i>Inorganic Chemistry</i> , 2016, 55, 12419-12426.	1.9	20
20	Characterization of Aniline Tetramer by MALDI TOF Mass Spectrometry upon Oxidative and Reductive Cycling. <i>Polymers</i> , 2016, 8, 401.	2.0	19
21	Superhard W _{0.5} Ta _{0.5} B nanowires prepared at ambient pressure. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	18
22	Rapid Solid-State Synthesis of Nanostructured Silicon. <i>Chemistry of Materials</i> , 2010, 22, 2534-2540.	3.2	17
23	Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: Zr _{1-x} Y _x B ₁₂ and Zr _{1-x} U _x B ₁₂ . <i>Journal of the American Chemical Society</i> , 2019, 141, 9047-9062.	6.6	15
24	Investigation of ternary metal dodecaborides (M ₁ M ₂ M ₃)B ₁₂ (M ₁ , M ₂ and M ₃) Tj ETQ 0 0 0 rg BT/Overlock	1.0	12
25	Synthesis and High-Pressure Mechanical Properties of Superhard Rhenium/Tungsten Diboride Nanocrystals. <i>ACS Nano</i> , 2019, 13, 10036-10048.	7.3	12
26	Radial X-ray Diffraction Study of Superhard Early Transition Metal Dodecaborides under High Pressure. <i>Advanced Functional Materials</i> , 2019, 29, 1900293.	7.8	12
27	Understanding How Bonding Controls Strength Anisotropy in Hard Materials by Comparing the High-Pressure Behavior of Orthorhombic and Tetragonal Tungsten Monoboride. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5647-5656.	1.5	10
28	Understanding the mechanism of hardness enhancement in tantalum-substituted tungsten monoboride solid solutions. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	9
29	Effective Liquid Metal Seeds for Silver Nanovines. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , .	0.6	2