

Michael T Yeung

List of Publications by Year in descending order

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29
papers

1,901
citations

394286

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501076

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34
docs citations

34
times ranked

2603
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Two-Dimensional Covalent Organic Framework Solid Solutions. <i>Journal of the American Chemical Society</i> , 2021, 143, 7081-7087. | 6.6 | 27 |
| 2 | Synthesis and High-Pressure Mechanical Properties of Superhard Rhenium/Tungsten Diboride Nanocrystals. <i>ACS Nano</i> , 2019, 13, 10036-10048. | 7.3 | 12 |
| 3 | Spontaneous Non-stoichiometry and Ordering in Degenerate but Gapped Transparent Conductors. <i>Matter</i> , 2019, 1, 280-294. | 5.0 | 27 |
| 4 | Understanding the mechanism of hardness enhancement in tantalum-substituted tungsten monoboride solid solutions. <i>Journal of Applied Physics</i> , 2019, 125, . | 1.1 | 9 |
| 5 | Synthesis and Characterization of Single-Phase Metal Dodecaboride Solid Solutions: $Zr_{1-x}Y_xB_{12}$ and $Zr_{1-x}U_xB_{12}$. <i>Journal of the American Chemical Society</i> , 2019, 141, 9047-9062. | 6.6 | 15 |
| 6 | 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 |
| 7 | 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 |
| 8 | Effects of Dodecaboride-Forming Metals on the Properties of Superhard Tungsten Tetraboride. <i>Chemistry of Materials</i> , 2018, 30, 3559-3570. | 3.2 | 24 |
| 9 | Investigation of ternary metal dodecaborides ($M_1M_2M_3B_{12}$) (M_1, M_2 and Tj) 10.784314 rgB | | |
| 10 | Rediscovering the Crystal Chemistry of Borides. <i>Advanced Materials</i> , 2017, 29, 1604506. | 11.1 | 260 |
| 11 | Furthering Our Understanding of the Doping Mechanism in Conjugated Polymers Using Tetraaniline. <i>Macromolecules</i> , 2017, 50, 5892-5897. | 2.2 | 28 |
| 12 | Lithium-Ion Insertion Properties of Solution-Exfoliated Germanane. <i>ACS Nano</i> , 2017, 11, 7995-8001. | 7.3 | 63 |
| 13 | Effects of Variable Boron Concentration on the Properties of Superhard Tungsten Tetraboride. <i>Journal of the American Chemical Society</i> , 2017, 139, 17120-17127. | 6.6 | 35 |
| 14 | Characterization of Aniline Tetramer by MALDI TOF Mass Spectrometry upon Oxidative and Reductive Cycling. <i>Polymers</i> , 2016, 8, 401. | 2.0 | 19 |
| 15 | Superhard Monoborides: Hardness Enhancement through Alloying in $W_xTa_{1-x}B$. <i>Advanced Materials</i> , 2016, 28, 6993-6998. | 11.1 | 75 |
| 16 | Superhard $W_{0.5}Ta_{0.5}B$ nanowires prepared at ambient pressure. <i>Applied Physics Letters</i> , 2016, 109, . | 1.5 | 18 |
| 17 | Stabilization of LnB_{12} ($Ln = Gd, Sm, Nd, \text{ and } Pr$) in $Zr_{1-x}Ln_xB_{12}$ under Ambient Pressure. <i>Inorganic Chemistry</i> , 2016, 55, 12419-12426. | 1.9 | 20 |
| 18 | Extrinsic Hardening of Superhard Tungsten Tetraboride Alloys with Group 4 Transition Metals. <i>Journal of the American Chemical Society</i> , 2016, 138, 5714-5721. | 6.6 | 64 |

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|----|---|-----|-----------|
| 19 | Stabilization of HfB ₁₂ in Y ³⁺ Hf ₂ B ₁₂ under Ambient Pressure. <i>Inorganic Chemistry</i> , 2016, 55, 5051-5055. | 1.9 | 33 |
| 20 | Superhard Mixed Transition Metal Dodecaborides. <i>Chemistry of Materials</i> , 2016, 28, 6605-6612. | 3.2 | 57 |
| 21 | Ultraincompressible, Superhard Materials. <i>Annual Review of Materials Research</i> , 2016, 46, 465-485. | 4.3 | 92 |
| 22 | Enhancing the Hardness of Superhard Transition-Metal Borides: Molybdenum-Doped Tungsten Tetraboride. <i>Chemistry of Materials</i> , 2016, 28, 632-637. | 3.2 | 60 |
| 23 | High Surface Area Tunnels in Hexagonal WO ₃ . <i>Nano Letters</i> , 2015, 15, 4834-4838. | 4.5 | 144 |
| 24 | Graphene-Assisted Solution Growth of Vertically Oriented Organic Semiconducting Single Crystals. <i>ACS Nano</i> , 2015, 9, 9486-9496. | 7.3 | 46 |
| 25 | Vapor-Phase Polymerization of Nanofibrillar Poly(3,4-ethylenedioxythiophene) for Supercapacitors. <i>ACS Nano</i> , 2014, 8, 1500-1510. | 7.3 | 217 |
| 26 | Tungsten tetraboride, an inexpensive superhard material. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 10958-10962. | 3.3 | 299 |
| 27 | Mechanochemical synthesis and thermoelectric properties of high quality magnesium silicide. <i>Journal of Materials Chemistry</i> , 2011, 21, 12259. | 6.7 | 204 |
| 28 | Rapid Solid-State Synthesis of Nanostructured Silicon. <i>Chemistry of Materials</i> , 2010, 22, 2534-2540. | 3.2 | 17 |
| 29 | Effective Liquid Metal Seeds for Silver Nanovines. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 0, , . | 0.6 | 2 |