

# Gregory M Smith

## List of Publications by Year in descending order

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18  
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#	ARTICLE	IF	CITATIONS
1	On the Interplay Between Adhesion Strength and Tensile Properties of Thermal Spray Coated Laminates—Part I: High Velocity Thermal Spray Coatings. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 296-307.	3.1	30
2	Sliding wear behavior of air plasma sprayed Al <sub>2</sub> O <sub>3</sub> coatings sealed with aluminum phosphate. <i>Tribology International</i> , 2017, 116, 431-439.	5.9	29
3	In-situ observation of strain and cracking in coated laminates by digital image correlation. <i>Surface and Coatings Technology</i> , 2017, 328, 211-218.	4.8	21
4	Sustainability of Metal Structures via Spray-Clad Remanufacturing. <i>Jom</i> , 2018, 70, 512-520.	1.9	20
5	Cracking induced tribological behavior changes for the HVOF WC-12Co cermet coatings. <i>Ceramics International</i> , 2019, 45, 4718-4728.	4.8	19
6	Orientation—dependent mechanical and thermal properties of plasma—sprayed ceramics. <i>Journal of the American Ceramic Society</i> , 2018, 101, 2471-2481.	3.8	15
7	Nature inspired, multi-functional, damage tolerant thermal spray coatings. <i>Surface and Coatings Technology</i> , 2016, 297, 43-50.	4.8	12
8	Microstructural investigation of bonding and melting-induced rebound of HVOF sprayed Ni particles on an aluminum substrate. <i>Surface and Coatings Technology</i> , 2020, 402, 126353.	4.8	12
9	Microstructural Characterization of HVOF-Sprayed Ni on Polished and Oxidized Stainless Steel Substrates. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1093-1110.	3.1	10
10	Fracture Toughness of Thermal Spray Ceramics: Measurement Techniques and Processing Dependence. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 1076-1089.	3.1	9
11	Thermal Swing Evaluation of Thermal Barrier Coatings for Diesel Engines. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1943-1957.	3.1	9
12	Microstructural study of HVOF sprayed Ni particles on a grit-blasted stainless-steel substrate. <i>Surface and Coatings Technology</i> , 2021, 409, 126832.	4.8	9
13	Microstructural evolution and bonding of HVOF sprayed Ni particles on both mild and stainless-steel substrates. <i>Surface and Coatings Technology</i> , 2020, 394, 125909.	4.8	7
14	On the surface and system performance of thermally sprayed carbide coatings produced under controlled residual stresses. <i>Surface and Coatings Technology</i> , 2020, 387, 125536.	4.8	6
15	On the Interplay Between Adhesion Strength and Tensile Properties of Thermal Spray Coated Laminates—Part II: Low-Velocity Thermal Spray Coatings. <i>Journal of Thermal Spray Technology</i> , 2018, 27, 308-318.	3.1	5
16	Ultrasonic Consolidation Post-Treatment of CuNi:Cr <sub>3</sub> C <sub>2</sub> -NiCr Composite Cold Spray Coatings: A Mechanical and Microstructure Assessment. <i>Journal of Thermal Spray Technology</i> , 0, , 1.	3.1	3
17	Parameter Development via In Situ Residual Stress Measurement and Post-deposition Analysis of Cold Spray CuNi Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1876-1891.	3.1	2
18	Observation of Residual Stress and Fatigue Behavior of Structurally Integrated Thermally Sprayed Nickel Coatings. <i>Journal of Thermal Spray Technology</i> , 2020, 29, 1229-1241.	3.1	2