# Hitesh Vasudev

List of Publications by Year
in descending order



| 35 | 1,361 | 430874 18 | 414414 32 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 35 | 35 | 35 | 230 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | PERFORMANCE OF THERMALLY SPRAYED HYDROXYAPATITE COATINGS FOR BIOMEDICAL IMPLANTS: A COMPREHENSIVE REVIEW. Surface Review and Letters, 2023, 30, . | 1.1 | 8 |
| 2 | Additive manufacturing: expanding 3D printing horizon in industry 4.0. International Journal on Interactive Design and Manufacturing, 2023, 17, 2221-2235. | 2.2 | 43 |
| 3 | A short review on the performance of high velocity oxy-fuel coatings in boiler steel applications. Materials Today: Proceedings, 2022, 50, 1442-1446. | 1.8 | 6 |
| 4 | A review on the oxidation and wear behavior of the thermally sprayed high-entropy alloys. Materials Today: Proceedings, 2022, 50, 1447-1451. | 1.8 | 14 |
| 5 | A review on the development of thermal barrier coatings by using thermal spray techniques. Materials Today: Proceedings, 2022, 50, 1458-1464. | 1.8 | 12 |
| 6 | ELECTROCHEMICAL CORROSION BEHAVIOR AND MICROSTRUCTURAL CHARACTERIZATION OF HVOF SPRAYED INCONEL718-Al<sub>2</sub>O<sub>3</sub>COMPOSITE COATINGS. Surface Review and Letters, 2022, 29, . | 1.1 | 33 |
| 7 | HIGH-TEMPERATURE OXIDATION AND EROSION RESISTANCE OF NI-BASED THERMALLY-SPRAYED COATINGS USED IN POWER GENERATION MACHINERY: A REVIEW. Surface Review and Letters, 2022, 29, . | 1.1 | 26 |
| 8 | A REVIEW ON THE INFLUENCE OF PROCESS PARAMETERS AND HEAT TREATMENT ON THE CORROSION PERFORMANCE OF NI-BASED THERMAL SPRAY COATINGS. Surface Review and Letters, 2022, 29, . | 1.1 | 16 |
| 9 | Effect of addition of Al2O3 on the high-temperature solid particle erosion behaviour of HVOF sprayed Inconel-718 coatings. Materials Today Communications, 2022, 30, 103017. | 1.9 | 78 |
| 10 | Electrochemical Corrosion Behavior and Microstructural Characterization of HVOF Sprayed Inconel-718 Coating on Gray Cast Iron. Journal of Failure Analysis and Prevention, 2021, 21, 250-260. | 0.9 | 29 |
| 11 | Application of Thermal Spraying Techniques Used for the Surface Protection of Boiler Tubes in Power Plants. Advances in Chemical and Materials Engineering Book Series, 2021, , 112-134. | 0.3 | 4 |
| 12 | High temperature erosion behavior of plasma sprayed Al<sub>2</sub>O<sub>3</sub> coating on AISI-304 stainless steel. World Journal of Engineering, 2021, 18, 760-766. | 1.6 | 52 |
| 13 | Influence of heat treatment on the microstructure and corrosion properties of the Inconel-625 clad deposited by microwave heating. Surface Topography: Metrology and Properties, 2021, 9, 025019. | 1.6 | 28 |
| 14 | Microstructural characterization and electrochemical corrosion behaviour of HVOF sprayed Alloy718-nanoAl<sub>2</sub>O<sub>3</sub> composite coatings. Surface Topography: Metrology and Properties, 2021, 9, 035003. | 1.6 | 44 |
| 15 | Corrosion and Tribological Behaviour of BN Thin Films Deposited Using Magnetron Sputtering. International Journal of Surface Engineering and Interdisciplinary Materials Science, 2021, 9, 24-39. | 0.4 | 18 |
| 16 | A comprehensive review on sustainable cold spray additive manufacturing: State of the art, challenges and future challenges. Journal of Cleaner Production, 2021, 310, 127606. | 9.3 | 107 |
| 17 | Erosion behaviour of HVOF sprayed Alloy718-nano Al<sub>2</sub>O<sub>3</sub> composite coatings on grey cast iron at elevated temperature conditions. Surface Topography: Metrology and Properties, 2021, 9, 035022. | 1.6 | 40 |
| 18 | In situ surface modification of stainless steel with hydroxyapatite using microwave heating. Surface Topography: Metrology and Properties, 2021, 9, 035053. | 1.6 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | A short note on the various thermal spray coating processes and effect of post-treatment on Ni-based coatings. Materials Today: Proceedings, 2021, , . | 1.8 | 11 |
| 20 | Influence of heat treatment on surface properties of HVOF deposited WC and Ni-based powder coatings: a review. Surface Topography: Metrology and Properties, 2021, 9, 043002. | 1.6 | 32 |
| 21 | A study on processing and hot corrosion behaviour of HVOF sprayed Inconel718-nano Al2O3 coatings. Materials Today Communications, 2020, 25, 101626. | 1.9 | 61 |
| 22 | Wear Characteristics of Ni-WC Powder Deposited by Using a Microwave Route on Mild Steel. International Journal of Surface Engineering and Interdisciplinary Materials Science, 2020, 8, 44-54. | 0.4 | 4 |
| 23 | Microstructural characterization of BN thin films using RF magnetron sputtering method. Materials Today: Proceedings, 2020, 26, 2277-2282. | 1.8 | 62 |
| 24 | Performance of different coating materials against slurry erosion failure in hydrodynamic turbines: A review. Engineering Failure Analysis, 2020, 115, 104622. | 4.0 | 56 |
| 25 | Hot corrosion behavior of super alloys. Materials Today: Proceedings, 2020, 26, 1131-1135. | 1.8 | 31 |
| 26 | Recent developments in the designing of deposition of thermal barrier coatings â€“ A review. Materials Today: Proceedings, 2020, 26, 1336-1342. | 1.8 | 63 |
| 27 | Microwave cladding of Inconel-625 on mild steel substrate for corrosion protection. Materials Research Express, 2020, 7, 026512. | 1.6 | 76 |
| 28 | Performance of different coating materials against high temperature oxidation in boiler tubes â€“ A review. Materials Today: Proceedings, 2020, 26, 972-978. | 1.8 | 59 |
| 29 | An investigation on oxidation behaviour of high velocity oxy-fuel sprayed Inconel718-Al2O3 composite coatings. Surface and Coatings Technology, 2020, 393, 125770. | 4.8 | 46 |
| 30 | A Short Note on the Processing of Materials Through Microwave Route. Lecture Notes in Mechanical Engineering, 2020, , 101-111. | 0.4 | 7 |
| 31 | Microwave heating and its applications in surface engineering: a review. Materials Research Express, 2019, 6, 102001. | 1.6 | 73 |
| 32 | Investigation on the effect of post weld heat treatment on microwave joining of the Alloy-718 weldment. Materials Research Express, 2019, 6, 086554. | 1.6 | 63 |
| 33 | High temperature oxidation and erosion behaviour of HVOF sprayed bi-layer Alloy-718/NiCrAlY coating. Surface and Coatings Technology, 2019, 362, 366-380. | 4.8 | 65 |
| 34 | Mechanical and microstructural characterization of microwave post processed Alloy-718 coating. Materials Research Express, 2019, 6, 1265f5. | 1.6 | 67 |
| 35 | High Temperature Oxidation and Wear Resistant Bi-Layer Coating for Turbocharger Housing. , 0, , . | | 2 |