Vijay Karki

List of Publications by Year
in descending order

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19	202	1040056	1058476
papers	citations	9	14
		h-index	g-index

19	19	19	212
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evaluation of the prediction precision capability of partial least squares regression approach for analysis of high alloy steel by laser induced breakdown spectroscopy. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2015, 108, 8-14.	2.9	46
2	Analytical spectral dependent partial least squares regression: a study of nuclear waste glass from thorium based fuel using LIBS. Journal of Analytical Atomic Spectrometry, 2015, 30, 2507-2515.	3.0	28
3	Comparison of spectrum normalization techniques for univariate analysis of stainless steel by laser-induced breakdown spectroscopy. Pramana - Journal of Physics, 2016, 86, 1313-1327.	1.8	16
4	Investigation of corrosion mechanism in Type 304 stainless steel under different corrosive environments: A SIMS study. International Journal of Mass Spectrometry, 2017, 421, 51-60.	1.5	14
5	Interface induced magnetic properties of Gd/Co heterostructures. Physical Chemistry Chemical Physics, 2018, 20, 21580-21589.	2.8	14
6	Synthesis of co-sputter deposited Niâ€“Ti thin alloy films and their compositional characterization using depth sensitive techniques. Thin Solid Films, 2020, 697, 137800.	1.8	13
7	Microstructure, corrosion and mechanical properties characterization of AISI type 316L(N) stainless steel and modified 9Cr-1Mo steel after 40,000â€¯h of dynamic sodium exposure at 525â€¯Â°C. Journal of Nuclear Materials, 2019, 516, 84-99.	2.7	12
8	DDR zeolite membrane reactor for enhanced HI decomposition in IS thermochemical process. International Journal of Hydrogen Energy, 2017, 42, 10867-10879.	7.1	11
9	Quantitative depth distribution analysis of elements in high alloy steel using MCs+-SIMS approach. International Journal of Mass Spectrometry, 2018, 430, 22-30.	1.5	10
10	Corrosion behavior analyses of metallic membranes in hydrogen iodide environment for iodine-sulfur thermochemical cycle of hydrogen production. International Journal of Hydrogen Energy, 2018, 43, 10869-10877.	7.1	9
11	Annealing driven positive and negative exchange bias in Feâ€“Cuâ€“Pt heterostructures at room temperature. Journal of Alloys and Compounds, 2020, 815, 152640.	5.5	6
12	Surface and depth distribution of components in high alloy stainless steel using secondary ion mass spectrometry. International Journal of Mass Spectrometry, 2016, 407, 101-105.	1.5	5
13	Optimization of Conditions for Determination of Cr and Ni in Steel by the Method of Laser-Induced Breakdown Spectroscopy with the Use of Partial Least Squares Regression. Journal of Applied Spectroscopy, 2016, 83, 497-503.	0.7	5
14	Determination of spatial distribution of alloying and impurity elements in zircaloy using imaging secondary ion mass spectrometry and principal component analysis. Vacuum, 2017, 136, 1-9.	3.5	3
15	Fabrication of p contact by thermally induced solid state regrowth of Al on p-type Ge crystal. Materials Science in Semiconductor Processing, 2021, 121, 105350.	4.0	3
16	Influence of long term Sodium Exposure on the Corrosion and Tensile Properties of AISI Type 316LN stainless steel and modified 9Cr-1Mo steel. Journal of Nuclear Materials, 2022, 567, 153830.	2.7	3
17	Evolution of structural and magnetic properties of FePtCu alloy films on annealing of FePt/Cu multilayers. Physical Chemistry Chemical Physics, 2020, 22, 16107-16116.	2.8	2
18	Development of methodology for determining the isotopic composition of boron in powder and solid nuclear materials using secondary ion mass spectrometer. International Journal of Mass Spectrometry, 2021, 460, 116475.	1.5	1

#	Article	IF	Citations
19	Thermal stability of interfacial mixed layers in c-Ni/a-Zr multilayer during annealing: Structural and magnetic properties. Applied Surface Science, 2022, 572, 151300.	6.1	1