

# Ruth Hinrichs

## List of Publications by Year in descending order

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Version: 2024-02-01

16  
papers

273  
citations

1307594

7  
h-index

1058476

14  
g-index

16  
all docs

16  
docs citations

16  
times ranked

320  
citing authors

#	ARTICLE	IF	CITATIONS
1	Simple procedure for an estimation of the coal rank using micro-Raman spectroscopy. International Journal of Coal Geology, 2014, 136, 52-58.	5.0	111
2	Maturity estimation of phytoclasts in strew mounts by micro-Raman spectroscopy. International Journal of Coal Geology, 2017, 173, 1-8.	5.0	41
3	A TEM snapshot of magnetite formation in brakes: The role of the disc's cast iron graphite lamellae in third body formation. Wear, 2011, 270, 365-370.	3.1	33
4	Heterogeneous gold nanocatalyst applied in the synthesis of 2-aryl-2,3-dihydroquinazolin-4(1H)-ones. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 589, 124455.	4.7	19
5	Impact of high energy ball milling on the nanostructure of magnetite-graphite and magnetite-graphite-molybdenum disulphide blends. Materials Characterization, 2013, 86, 28-38.	4.4	17
6	Turn on of new electronic paths in Fe-SiO <sub>2</sub> granular thin film. Applied Physics Letters, 2014, 105, .	3.3	11
7	Amorphization of Graphite Flakes in Gray Cast Iron Under Tribological Load. Materials Research, 2018, 21, .	1.3	11
8	Electrical current influence on resistance and localization length of a Co-Al <sub>2</sub> O <sub>3</sub> granular thin film. Physica B: Condensed Matter, 2011, 406, 4304-4306.	2.7	7
9	Short range shooting distance estimation using variable pressure SEM images of the surroundings of bullet holes in textiles. Forensic Science International, 2017, 272, 28-36.	2.2	7
10	Hardness evaluation, stoichiometry and grain size of titanium nitride films obtained with plasma nitriding on Ti-6Al-4V samples. Revista Materia, 2010, 15, 299-302.	0.2	5
11	Evaluation of terrestrial carbonaceous matter aromatization by Raman spectroscopy and its application to C chondrites. Meteoritics and Planetary Science, 2020, 55, 800-817.	1.6	4
12	Non-ohmic behavior of metal-insulator granular thin films in low-field regime ( $e\hbar^2V \approx k_B T$ ). Journal of Applied Physics, 2016, 120, .	2.5	3
13	Mesoporous structured silica modified with niobium oxide and cobalt hematoporphyrin applied to the simultaneous electrochemical evaluation of oxalic and uric acids. Journal of Sol-Gel Science and Technology, 0, , 1.	2.4	2
14	The influence of nitrogen to hydrogen ratio and temperature on thickness and phase composition in plasma nitrided Ti-6Al-4V. Revista Materia, 2019, 24, .	0.2	1
15	Towards the Universal Transport Properties of Metal/Insulator Granular Thin Films in the Low-Field Regime with Increasing Bias Potential or Current. Progress in Nanotechnology and Nanomaterials, 2014, 3, 73-78.	1.3	1
16	Influence of hydrothermal activity on the mineralogical-petrophysical properties of an atypical doleritic reservoir rock: A case study of the Gabes Gulf (north Africa, Tunisia). Journal of African Earth Sciences, 2021, 180, 104241.	2.0	0