

# Masoud Kavosh Tehrani

## List of Publications by Year in descending order

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25  
papers

353  
citations

1039406

9  
h-index

794141

19  
g-index

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all docs

25  
docs citations

25  
times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wideband electromagnetic wave absorber using doped barium hexaferrite in Ku-band. Journal of Alloys and Compounds, 2011, 509, 8398-8400.	2.8	72
2	Prediction of shock sensitivity of explosives based on small-scale gap test. Journal of Hazardous Materials, 2007, 145, 109-112.	6.5	63
3	Approach for determination of detonation performance and aluminum percentage of aluminized-based explosives by laser-induced breakdown spectroscopy. Applied Optics, 2016, 55, 3233.	0.9	38
4	A novel approach for investigation of chemical aging in composite propellants through laser-induced breakdown spectroscopy (LIBS). Journal of Thermal Analysis and Calorimetry, 2016, 124, 279-286.	2.0	32
5	Energetic materials identification by laser-induced breakdown spectroscopy combined with artificial neural network. Applied Optics, 2017, 56, 3372.	2.1	29
6	Relationship between the results of laser-induced breakdown spectroscopy and dynamical mechanical analysis in composite solid propellants during their aging. Applied Optics, 2016, 55, 4362.	2.1	23
7	Correlation Between Structural Features and Microwave Analysis of Substituted Sr-Co <sub>2</sub> Y Ceramic Nanoparticles. Journal of Superconductivity and Novel Magnetism, 2016, 29, 1657-1664.	0.8	16
8	Y-Type Strontium Hexaferrite: the Role of Al Substitution, Structural, and Magnetic Consequence. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3579-3586.	0.8	15
9	The role of matching thickness on the wideband electromagnetic wave suppresser using single layer doped barium ferrite. Journal of Magnetism and Magnetic Materials, 2011, 323, 1040-1043.	1.0	12
10	The influence of plasma shielding effect on laser-ablated copper samples: a focus on signal-to-background ratio and plasma expansion. Laser and Particle Beams, 2016, 34, 493-505.	0.4	10
11	Application of laser-induced breakdown spectroscopy to assess palladium catalyst deactivation. Applied Optics, 2019, 58, 794.	0.9	7
12	Theoretical Prediction of Physicochemical Properties, Performances and Sensitivities of some New Derivatives of Dinitro Triazolyl Triazine. Propellants, Explosives, Pyrotechnics, 2010, 35, 482-486.	1.0	5
13	Spatial investigation of plasma emission from laminar diffusion methanol, ethanol, and n-propanol alcohol flames using LIBS method. Applied Physics B: Lasers and Optics, 2017, 123, 1.	1.1	5
14	Effects of nanostructuring on luminescence properties of SrS:Ce,Sm phosphor: An experimental and phenomenological study. Optical Materials, 2018, 75, 304-313.	1.7	5
15	Femtosecond pulse laser irradiation of gold/chromium double-layer metal film: The role of interface boundary resistance in two-temperature model simulations. Thin Solid Films, 2017, 636, 464-473.	0.8	4
16	The Use of Laser Induced Breakdown Spectroscopy (LIBS) to Study Catalyst Deactivation of V <sub>2</sub> O <sub>5</sub> /Al <sub>2</sub> O <sub>3</sub> as Compared to Inductively Coupled Plasma Optical Emission Spectrometry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1057-1061.	0.6	4
17	Application of Laser Induced Breakdown Spectroscopy as a Novel Approach for Monitoring of the Activity of Nano Palladium Catalyst as Compared to Two Well-known Methods. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 65-69.	0.6	3
18	Solvation force in a hard-sphere fluid. Canadian Journal of Physics, 1999, 77, 585-590.	0.4	2

#	ARTICLE	IF	CITATIONS
19	Breast diseases detection and pseudo-coloring presentation for gray infrared breast images. , 2011, , .		2
20	High peak power side diode-pumped pulsed Nd:YAG laser with concave“concave stable resonator. Optik, 2015, 126, 5553-5558.	1.4	2
21	Design of Diffraction Limited Head Mounted Display Optical System Based on High Efficiency Diffractive Elements. Current Optics and Photonics, 2017, 1, 150-156.	0.7	2
22	Theoretical and experimental study for shortening laser pulse width by pinhole plasma shutter. EPJ Applied Physics, 2015, 70, 20802.	0.3	1
23	Design of LCPC-type polarization-independent shutter with diffractive efficiency and high contrast at wavelength 532 nm. Laser Physics, 2017, 27, 026201.	0.6	1
24	New analysis of temperature distribution in side diode-pumped laser slab. Chinese Journal of Physics, 2017, 55, 1704-1712.	2.0	0
25	Promoting the Range and Range Resolution of a LIDAR (DIAL) System Using a Suitable Pinhole Plasma Shutter. Journal of Russian Laser Research, 2017, 38, 446-454.	0.3	0