

# Masoud Kavosh Tehrani

## List of Publications by Year in descending order

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25  
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docs citations

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times ranked

299  
citing authors

#	ARTICLE	IF	CITATIONS
1	Application of Laser Induced Breakdown Spectroscopy as a Novel Approach for Monitoring of the Activity of Nano Palladium Catalyst as Compared to Two Wellâ€known Methods. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2020, 646, 65-69.	1.2	3
2	The Use of Laser Induced Breakdown Spectroscopy (LIBS) to Study Catalyst Deactivation of $V_{2}O_{5}/\beta-Al_{2}O_{3}$ as Compared to Inductively Coupled Plasma Optical Emission Spectrometry. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2019, 645, 1057-1061.	1.2	4
3	Application of laser-induced breakdown spectroscopy to assess palladium catalyst deactivation. Applied Optics, 2019, 58, 794.	1.8	7
4	Effects of nanostructuring on luminescence properties of SrS:Ce,Sm phosphor: An experimental and phenomenological study. Optical Materials, 2018, 75, 304-313.	3.6	5
5	New analysis of temperature distribution in side diode-pumped laser slab. Chinese Journal of Physics, 2017, 55, 1704-1712.	3.9	0
6	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.	2.2	5
7	Design of LCPG-type polarization-independent shutter with diffractive efficiency and high contrast at wavelength 532 nm. Laser Physics, 2017, 27, 026201.	1.2	1
8	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.	0.6	0
9	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.	1.8	4
10	Energetic materials identification by laser-induced breakdown spectroscopy combined with artificial neural network. Applied Optics, 2017, 56, 3372.	2.1	29
11	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
12	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.	1.0	10
13	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
14	Approach for determination of detonation performance and aluminum percentage of aluminized-based explosives by laser-induced breakdown spectroscopy. Applied Optics, 2016, 55, 3233.	1.8	38
15	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.	1.8	16
16	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.	3.6	32
17	Theoretical and experimental study for shortening laser pulse width by pinhole plasma shutter. EPJ Applied Physics, 2015, 70, 20802.	0.7	1
18	High peak power side diode-pumped pulsed Nd:YAG laser with concaveâ€concave stable resonator. Optik, 2015, 126, 5553-5558.	2.9	2

#	ARTICLE	IF	CITATIONS
19	Y-Type Strontium Hexaferrite: the Role of Al Substitution, Structural, and Magnetic Consequence. Journal of Superconductivity and Novel Magnetism, 2015, 28, 3579-3586.	1.8	15
20	Breast diseases detection and pseudo-coloring presentation for gray infrared breast images. , 2011, , .		2
21	Wideband electromagnetic wave absorber using doped barium hexaferrite in Ku-band. Journal of Alloys and Compounds, 2011, 509, 8398-8400.	5.5	72
22	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.	2.3	12
23	Theoretical Prediction of Physicochemical Properties, Performances and Sensitivities of some New Derivatives of Dinitro Triazolyl Triazine. Propellants, Explosives, Pyrotechnics, 2010, 35, 482-486.	1.6	5
24	Prediction of shock sensitivity of explosives based on small-scale gap test. Journal of Hazardous Materials, 2007, 145, 109-112.	12.4	63
25	Solvation force in a hard-sphere fluid. Canadian Journal of Physics, 1999, 77, 585-590.	1.1	2