

Vahid Siahpoush

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

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citations

1040056

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18
all docs

18
docs citations

18
times ranked

179
citing authors

#	ARTICLE	IF	CITATIONS
1	Adaptation of Sing Lee's model to the Filippov type plasma focus geometry. Plasma Physics and Controlled Fusion, 2005, 47, 1065-1075.	2.1	62
2	Modeling and optimizing the performance of plasmonic solar cells using effective medium theory. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 489-493.	2.1	20
3	Optically induced diffraction gratings based on periodic modulation of linear and nonlinear effects for atom-light coupling quantum systems near plasmonic nanostructures. Scientific Reports, 2020, 10, 16684.	3.3	18
4	Effect of plasmonic coupling on photothermal behavior of random nanoparticles. Optics Communications, 2018, 420, 52-58.	2.1	17
5	Plasmonic properties of spheroid silicon-silver nanoshells in prolate and oblate forms. Optik, 2018, 172, 1064-1068.	2.9	16
6	The Tunability of Surface Plasmon Polaritons in Graphene Waveguide Structures. Plasmonics, 2017, 12, 1633-1639.	3.4	15
7	Study of electromagnetic wave scattering from an inhomogeneous plasma layer using Green's function volume integral equation method. Physics of Plasmas, 2016, 23, .	1.9	13
8	Green's function approach to investigate the excitation of surface plasmon polaritons in a nanometer-thin metal film. Physical Review B, 2012, 85, .	3.2	12
9	Coupling light into and out from the surface plasmon polaritons of a nanometer-thin metal film with a metal nanostrip. Physical Review B, 2012, 86, .	3.2	11
10	Preliminary measurements in Sahand plasma-focus emphasizing on the temporal characteristics of hard and soft X-rays. European Physical Journal D, 2006, 56, B389-B395.	0.4	6
11	Change of radiation pattern in a plasma monopole antenna. Waves in Random and Complex Media, 2016, 26, 328-338.	2.7	6
12	Investigation of leaky and bound modes of graphene surface plasmons. Journal of Applied Physics, 2017, 122, 133113.	2.5	6
13	Radiation characteristics of Leaky Surface Plasmon polaritons of graphene. Superlattices and Microstructures, 2018, 119, 40-45.	3.1	4
14	Numerical investigation of coupling efficiency between a magnetic line dipole emitter and surface plasmon polariton modes of a nanometer thin metallic film. Optics Communications, 2014, 313, 315-320.	2.1	3
15	Analysis and optimization of graphene based reconfigurable electro-optical switches. , 2022, 165, 207193.		1
16	Computation of pinch current in the Filippov type plasma focus. , 0, , .		0
17	Pinch Current Limitation in Sahand Plasma Focus. Journal of Fusion Energy, 2017, 36, 9-14.	1.2	0
18	A basic estimation on the light distribution and thermal behavior of the human skin through transfer matrix method coupled with Pennes's bio-heat equation. Waves in Random and Complex Media, 0, , 1-17.	2.7	0