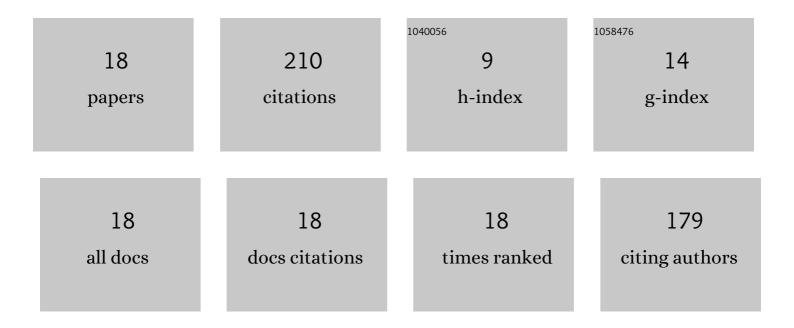
## Vahid Siahpoush

List of Publications by Year in descending order

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| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Analysis and optimization of graphene based reconfigurable electro-optical switches. , 2022, 165, 207193.   |     | 1         |
| 2  | Optically induced diffraction gratings based on periodic modulation of linear and nonlinear effects<br>for atom-light coupling quantum systems near plasmonic nanostructures. Scientific Reports, 2020, 10,<br>16684. | 3.3 | 18        |
| 3  | Radiation characteristics of Leaky Surface Plasmon polaritons of graphene. Superlattices and<br>Microstructures, 2018, 119, 40-45.  | 3.1 | 4         |
| 4  | Effect of plasmonic coupling on photothermal behavior of random nanoparticles. Optics<br>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,<br>1633-1639.  | 3.4 | 15        |
| 7  | Modeling and optimizing the performance of plasmonic solar cells using effective medium theory.<br>Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 489-493.                           | 2.1 | 20        |
| 8  | Investigation of leaky and bound modes of graphene surface plasmons. Journal of Applied Physics, 2017, 122, 133113.   | 2.5 | 6         |
| 9  | Pinch Current Limitation in Sahand Plasma Focus. Journal of Fusion Energy, 2017, 36, 9-14.  | 1.2 | Ο         |
| 10 | 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        |
| 11 | Change of radiation pattern in a plasma monopole antenna. Waves in Random and Complex Media, 2016, 26, 328-338.   | 2.7 | 6         |
| 12 | 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         |
| 13 | 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        |
| 14 | Coupling light into and out from the surface plasmon polaritons of a nanometer-thin metal film with<br>a metal nanostrip. Physical Review B, 2012, 86, .  | 3.2 | 11        |
| 15 | 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         |
| 16 | Adaptation of Sing Lee's model to the Filippov type plasma focus geometry. Plasma Physics and<br>Controlled Fusion, 2005, 47, 1065-1075.  | 2.1 | 62        |
| 17 | Computation of pinch current in the Filippov type plasma focus. , 0, , .  |     | 0         |
| 18 | A basic estimation on the light distribution and thermal behavior of the human skin through transfer<br>matrix method coupled with Pennes' bio-heat equation. Waves in Random and Complex Media, 0, , 1-17.           | 2.7 | 0         |