



## Adeleh Vatankhahan

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### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	On Contract	Full Time	1

### Papers in Conferences

1. Adeleh Vatankhahan و Tayebeh Movlarooy، اثر نیتروژنه کردن لبه های نانوروبان بوروفن آلفا و آلیش اتم های، پنجمین کنفرانس بین المللی محاسبات نرم، ۲۰۲۲، واسطه بر روی پایداری و خواص مغناطیسی آن.
2. Adeleh Vatankhahan، بررسی خواص کوانتومی ترابرد نانو روبان فسفر کروم، سومین همایش ملی محاسبات نرم، ۲۰۲۲، علوم مهندسی در صنعت و جامعه.
3. Adeleh Vatankhahan , Tayebeh Movlarooy , ,The effect of edge passivation on the stability and magnetic properties of b<sub>12</sub>borophene nanoribbon ,2022, پنجمین کنفرانس بین المللی محاسبات نرم.
4. Adeleh Vatankhahan , Tayebeh Movlarooy , Aran Garcia , Lekue ,Tuning the electronic and magnetic properties of □<sub>12</sub>-borophene ,The 20th edition of Trends in Nanotechnology International Conference ,2020.

### Papers in Journals

1. Tayebeh Movlarooy Adeleh Vatankhahana, Ferromagnetic half-metal with high Curie temperature in Cr P nanoribbons: good material for spintronic applications, Physical Chemistry Chemical Physics, 2023/23/09.
2. A. Vatankhahan ,& T. Movlarooy, Modulating spintronic properties of Nitrogen passivated borophene nanoribbons, Elsevier, 2022.
3. Razieh Hosseini , Tayebeh Movlarooy , Adeleh Vatankhahan, Electronic structures and stability of double-walled armchair and zigzag AlN nanotubes, Elsevier, 2022.
4. A. Vatankhahan ,& T. Movlarooy, The effect of edges hydrogenation and adsorption of Co and Mn atoms on spin transport properties of borophene Nanoribbons, Materials Science and Engineering: B, 2021.
5. A. Vatankhahan ,& T. Movlarooy, Ab initio study of transition metal adsorption on a borophene nanosheet, IEEE Magnetics Letters, 2020.
6. H Arabshahi, MR Benam, A Vatan ,& Khahan, M Abedininia, Comparison between Si/SiO<sub>2</sub> and InP/Al<sub>2</sub>O<sub>3</sub> based MOSFETs, Journal of Experimental and Theoretical Physics, 2016.