

# PUBLICATIONS

Shohreh Nafisi

## A) JOURNAL PAPERS

1. Mohammad Rahimi, Shohreh Nafisi, Howard I Maibach, Are Nano-Strategies promising for increasing penetration of econazole. Manuscript in preparation, 2015.
2. Fermoozan Nichpasand, Shohreh Nafisi, Howard I Maibach, New formulation strategies in terbinafine antifungal therapy, Manuscript in preparation, 2015.
3. Sara Shooshtary, Sima Behtash, Niloufar Mohajerani, Shohreh Nafisi, Arsenic trioxide binding to proteins, J Photochem Photobiol B: Biology, Manuscript is submitted.
4. Shohreh Nafisi, Howard I Maibach, Silica nanoparticles: promising nanoparticles for increasing cosmetic ingredients/drugs efficacy, Cosmetics and Toiletries, Manuscript in Press, May 2015.
5. Shohreh Nafisi, Monika Schäfer-Korting, Howard I Maibach, Silica nanoparticles; perspectives on percutaneous penetration, Nanotoxicology (2015) 1-15.
6. Ehsan Ezatpour, Firouzeh Manouchehri, Gholamreza Soleimani, Hadi Hosseini, Salime Kimiagar, Shohreh Nafisi, Tetracycline absorption and removal from graphene oxide nanoparticles, PLOS E, 8 (2013) e79254.
7. Daniel Agudelo, Shohreh Nafisi, Heidar-Ali Tajmir-Riahi, Encapsulation of milk-lactoglobulin by chitosan nanoparticles, J. Phys. Chem. B. 117(2013) 6403–6409.
8. Daniel Agudelo, Sriwanna Sanyakamdhorn, Shohreh Nafisi, Heidar Ali Tajmir-Riahi, Transporting antitumor drug tamoxifen and its metabolites, 4-Hydroxytamoxifen and endoxifen by chitosan nanoparticles, PLOS ONE, 8 (2013) e60250.
9. Roshanak Namdar, Neda Makouie, Shohreh Nafisi, Study on the interaction of homoisoflavonoids with RNA, J Photochem Photobiol B: Biology 128 (2013) 100–106.
10. Tahereh Sadigh Vishkaee, Niloufar Mohajerani, Shohreh Nafisi, Study on the interaction of tamiflu and oseltamivir carboxylate with bovine serum albumin, J Photochem Photobiol B: Biology 119 (2013) 65-70.
11. Roshanak Namdar, Shohreh Nafisi, Molecular aspects on the specific interaction of homoisoflavonoids to DNA, J Photochem Photobiol B: Biology 117 (2012) 207–213.
12. Shohreh Nafisi, Maryam Montazeri, Firouzeh Manouchehri, A comparative study on the interaction of Na<sub>2</sub>SeO<sub>3</sub> and Na<sub>2</sub>SeO<sub>4</sub> with DNA, J Photochem Photobiol B: Biology 113 (2012) 36-41.
13. Shohreh Nafisi, Ata Allah Panah yab, Golshan Sadeghi, Interaction of β-carboline alkaloids with BSA, J. Lumin 132 (2012) 2361–2366.
14. Shohreh Nafisi, Firouzeh Manouchehri, Mahyar Bonsaii, Interaction of glycyrrhizin and glycyrrhetic acid with RNA, J Photochem Photobiol B: Biology 111 (2012) 27-34.

15. Khosrou Abdi, Shohreh Nafisi, Firouzeh Manouchehri, Mahyar Bonsaii, Ali Khalaj, Interaction of 5-fluorouracil and its derivatives with bovine serum albumin, *J Photochem Photobiol B: Biology* 107 (2012) 20–26. **(Top 20 Hottest Articles, No 7)**
16. Shohreh Nafisi, Firouzeh Manouchehri, Mahyar Bonsaii, Interaction of glycyrrhizin and glycyrrhetic acid with DNA, *DNA Cell Biol* 31(2012) 114-121. **(Top 20 Hottest Article, No 8)**
17. Shohreh Nafisi, Maryam Montazeri, Firouzeh Manouchehri, The interaction of selenium salts with RNA, *J Mol Struct* 1006 (2011) 547–552.
18. Shohreh Nafisi, Golshan Bagheri Sadeghi, Ata Allah Panahyab, Vitamin C and aspirin interaction with BSA, *J Photochem Photobiol B* 105 (2011) 198-202. **(List Top 25 Hottest Articles, No 1)**
19. Shohreh Nafisi, Mahyar Bonsaii, Binding of 2-acetylaminofluorene to DNA, *DNA Cell Biol* 30 (2011) 955-962.
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21. Shohreh Nafisi, Zahra Mokhtari, Mohammad Ali Khalilzadeh, The interaction of  $\beta$ -carboline alkaloids with RNA, *DNA Cell Biol* 29 (2010) 753-761. **(Most Read Article, No 2)**
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23. Shohreh Nafisi, Zeinab Norouzi, Heidar Ali Tajmir-Riahi, A Comparative Study on the Interaction of cis- and trans-platin with DNA and RNA, *DNA Cell Biol* 28 (2009) 1-9.
24. Shohreh Nafisi, Maryam Adelzadeh, Zeinab Norouzi, Mohammad Nabi Sarbolouki, Curcumin interaction with DNA and RNA, *DNA Cell Biol* 28 (2009) 201-208.
25. Charalabos D Kanakis, Shohreh Nafisi, Azadeh Shadaloi, Mehdi Rajabi, Heidar Ali Tajmir-Riahi, Structural analysis of DNA and RNA interactions with antioxidant flavonoids, *Spect Biomed Appl* 23 (2009) 29-43. **(Review Article)**
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27. Shohreh Nafisi, Mehrdad Hashemi, Mehdi Rajabi, Heidar Ali Tajmir-Riahi, DNA Adducts with antioxidant Flavonoids: Morin, apigenin and naringin, *DNA Cell Biol* 27 (2008) 433-442.
28. Jean Francois Neault, Stavroulou Diamantoglou, Shohreh Nafisi, Heidar Ali Tajmir-Riahi, Conformational analysis of Na,K-ATPase in drug-protein complexes, *J Photochem Photobiol B: Biology* 91 (2008) 167-174. **(Review Article)**
29. Shohreh Nafisi, Firouzeh Manouchehri, Heidar Ali Tajmir-Riahi, Structural features of DNA interaction with caffeine and theophylline, *J Mol Struct* 875 (2008) 392-399.
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31. Shohreh Nafisi, Fateme Ghoreishi, Heidar-Ali Tajmir-Riahi, Zanamivir interaction with DNA and RNA, *J Mol Struct* 830 (2007) 182-187. **25 TOP HOTTEST ARTICLE**

32. Shohreh Nafisi, Ali-Akbar Saboury, Nahid Keramat, Heidar Ali Tajmir-Riahi, The effect of acridine orange, methylene blue and ethidium bromide on DNA structure, *J Mol Struct* 827 (2007) 35-43. **25 TOP HOTTEST ARTICLE 2007.**
33. Amin Ahmed-Ouameur, Stavroulou Diamantoglou, M. R. Sedaghat-Herati, Shohreh Nafisi and Heidar Ali Tajmir-Riahi, The effects of drug complexation on the stability and conformation of human serum albumin: Protein unfolding, *Cell Biochem Biophys* 45 (2006) 203-213. **(Review Article)**
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### **B) BOOKS**

1. Shohreh Nafisi, Howard I Maibach, Silica Nanoparticles Percutaneous Penetration: An Evolving Research Strategy: In Applications of NanoBioMaterials, Edited by: Alexandru Mihai Grumezescu , Vol: IX, 2015.
2. Shohreh Nafisi, Monika Schäfer-Korting, Howard I. Maibach, Measuring silica nanoparticles in Skin in: Measuring the Skin, Edited by Ferial Fanian, Philip Humbolt, Howard I. Maibach, Springer 2015, Chapter 171.
3. Heidar Ali Tajmir-Riahi, Shohreh Nafisi, Sriwanna Sanyakamdhorn, Daniel Agudelo and P. Chanphai, Applications of chitosan nanoparticles in drug delivery, in: Drug Delivery Systems: Edited by K. K. Jain, Springer 2014, Chapter 11, 165-184.
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8. Hossein Aghabozorgh, Shohreh Nafisi, Hamid Reza Aghabozorgh, Mohammad Yousefi, Inorganic Chemistry, Jahad Daneshgahy Publisher, Tarbiat Moalem University, Vol:1, Tehran, (8<sup>th</sup> Edition) 2004.