

# Ayse Berkdemir

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

22  
papers

4,641  
citations

18  
h-index

22  
g-index

22  
ext. papers

5,123  
ext. citations

8.4  
avg, IF

4.83  
L-index

#	Paper	IF	Citations
22	Third order nonlinear optical response exhibited by mono- and few-layers of WS <sub>2</sub> . <i>2D Materials</i> , <b>2016</b> , 3, 021005	5.9	35
21	Distinct photoluminescence and Raman spectroscopy signatures for identifying highly crystalline WS <sub>2</sub> monolayers produced by different growth methods. <i>Journal of Materials Research</i> , <b>2016</b> , 31, 931-944	2.5	68
20	Band gap engineering and layer-by-layer mapping of selenium-doped molybdenum disulfide. <i>Nano Letters</i> , <b>2014</b> , 14, 442-9	11.5	378
19	Large-area Si-doped graphene: controllable synthesis and enhanced molecular sensing. <i>Advanced Materials</i> , <b>2014</b> , 26, 7593-9	24	91
18	Non-oxidative intercalation and exfoliation of graphite by Brønsted acids. <i>Nature Chemistry</i> , <b>2014</b> , 6, 957-63	17.6	154
17	Graphene: Large-Area Si-Doped Graphene: Controllable Synthesis and Enhanced Molecular Sensing (Adv. Mater. 45/2014). <i>Advanced Materials</i> , <b>2014</b> , 26, 7676-7676	24	
16	Extraordinary room-temperature photoluminescence in triangular WS <sub>2</sub> monolayers. <i>Nano Letters</i> , <b>2013</b> , 13, 3447-54	11.5	1145
15	Photosensor Device Based on Few-Layered WS <sub>2</sub> Films. <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5511-5513	3.6	480
14	Identification of individual and few layers of WS <sub>2</sub> using Raman Spectroscopy. <i>Scientific Reports</i> , <b>2013</b> , 3,	4.9	911
13	Controlled synthesis and transfer of large-area WS <sub>2</sub> sheets: from single layer to few layers. <i>ACS Nano</i> , <b>2013</b> , 7, 5235-42	16.7	453
12	Sensors: Photosensor Device Based on Few-Layered WS <sub>2</sub> Films (Adv. Funct. Mater. 44/2013). <i>Advanced Functional Materials</i> , <b>2013</b> , 23, 5510-5510	15.6	5
11	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. <i>Scientific Reports</i> , <b>2012</b> , 2, 586	4.9	517
10	Microstructural Response to Growth Rate and Mg Additions during Directional Growth of Al-Cu-Mg Alloys. <i>Materials Science Forum</i> , <b>2010</b> , 649, 425-430	0.4	2
9	Effect of growth rate and Mg content on dendrite tip characteristics of Al-Cu-Mg ternary alloys. <i>Applied Physics A: Materials Science and Processing</i> , <b>2009</b> , 96, 873-886	2.6	21
8	Shape-invariance approach and Hamiltonian hierarchy method on the Woods-Saxon potential for $\pi$ states. <i>Journal of Mathematical Chemistry</i> , <b>2008</b> , 43, 944-954	2.1	19
7	Systematical approach to the exact solution of the Dirac equation for a deformed form of the Woods-Saxon potential. <i>Journal of Physics A</i> , <b>2006</b> , 39, 13455-13463		44
6	EIGENVALUES AND EIGENFUNCTIONS OF WOODS-SAXON POTENTIAL IN PT-SYMMETRIC QUANTUM MECHANICS. <i>Modern Physics Letters A</i> , <b>2006</b> , 21, 2087-2097	1.3	22

5	Editorial Note: Polynomial solutions of the Schrödinger equation for the generalized Woods-Saxon potential [Phys. Rev. C 72, 027001 (2005)]. <i>Physical Review C</i> , <b>2006</b> , 74,	2.7	20
4	Bound state solutions of the Schrödinger equation for modified Kratzer's molecular potential. <i>Chemical Physics Letters</i> , <b>2006</b> , 417, 326-329	2.5	141
3	Exact Solutions of the Duffin-Kemmer-Petiau Equation for the Deformed Hulthen Potential. <i>Physica Scripta</i> , <b>2005</b> , 71, 340-343	2.6	58
2	Polynomial solutions of the Schrödinger equation for the generalized Woods-Saxon potential. <i>Physical Review C</i> , <b>2005</b> , 72,	2.7	76
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