Ayse Berkdemir

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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	Extraordinary room-temperature photoluminescence in triangular WS2 monolayers. *Nano Letters*, **2013**, 13, 3447-54	11.5	1145
21	Identification of individual and few layers of WS2 using Raman Spectroscopy. *Scientific Reports*, **2013**, 3,	4.9	911
20	Nitrogen-doped graphene: beyond single substitution and enhanced molecular sensing. *Scientific Reports*, **2012**, 2, 586	4.9	517
19	Photosensor Device Based on Few-Layered WS2 Films. *Advanced Functional Materials*, **2013**, 23, 5511-5517	13.6	480
18	Controlled synthesis and transfer of large-area WS2 sheets: from single layer to few layers. *ACS Nano*, **2013**, 7, 5235-42	16.7	453
17	Band gap engineering and layer-by-layer mapping of selenium-doped molybdenum disulfide. *Nano Letters*, **2014**, 14, 442-9	11.5	378
16	Non-oxidative intercalation and exfoliation of graphite by Brønsted acids. *Nature Chemistry*, **2014**, 6, 957-63	17.6	154
15	Bound state solutions of the Schrödinger equation for modified Kratzer's molecular potential. *Chemical Physics Letters*, **2006**, 417, 326-329	2.5	141
14	Large-area Si-doped graphene: controllable synthesis and enhanced molecular sensing. *Advanced Materials*, **2014**, 26, 7593-9	24	91
13	Polynomial solutions of the Schrödinger equation for the generalized Woods-Saxon potential. *Physical Review C*, **2005**, 72,	2.7	76
12	Distinct photoluminescence and Raman spectroscopy signatures for identifying highly crystalline WS2 monolayers produced by different growth methods. *Journal of Materials Research*, **2016**, 31, 931-944	2.5	68
11	Exact Solutions of the Duffin–Kemmer–Petiau Equation for the Deformed Hulthen Potential. *Physica Scripta*, **2005**, 71, 340-343	2.6	58
10	Systematical approach to the exact solution of the Dirac equation for a deformed form of the Woods–Saxon potential. *Journal of Physics A*, **2006**, 39, 13455-13463		44
9	Third order nonlinear optical response exhibited by mono- and few-layers of WS 2. *2D Materials*, **2016**, 3, 021005	5.9	35
8	EIGENVALUES AND EIGENFUNCTIONS OF WOODS–SAXON POTENTIAL IN PT-SYMMETRIC QUANTUM MECHANICS. *Modern Physics Letters A*, **2006**, 21, 2087-2097	1.3	22
7	Effect of growth rate and Mg content on dendrite tip characteristics of Al–Cu–Mg ternary alloys. *Applied Physics A: Materials Science and Processing*, **2009**, 96, 873-886	2.6	21
6	Editorial Note: Polynomial solutions of the Schrödinger equation for the generalized Woods-Saxon potential [Phys. Rev. C 72, 027001 (2005)]. *Physical Review C*, **2006**, 74,	2.7	20

5	Shape-invariance approach and Hamiltonian hierarchy method on the Woods□Saxon potential for □ □0 states. *Journal of Mathematical Chemistry*, **2008**, 43, 944-954	2.1	19
4	Sensors: Photosensor Device Based on Few-Layered WS2 Films (Adv. Funct. Mater. 44/2013). *Advanced Functional Materials*, **2013**, 23, 5510-5510	15.6	5
3	Microstructural Response to Growth Rate and Mg Additions during Directional Growth of Al-Cu-Mg Alloys. *Materials Science Forum*, **2010**, 649, 425-430	0.4	2
2			
1	Graphene: Large-Area Si-Doped Graphene: Controllable Synthesis and Enhanced Molecular Sensing (Adv. Mater. 45/2014). *Advanced Materials*, **2014**, 26, 7676-7676	24	